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JULY 20, 1918.

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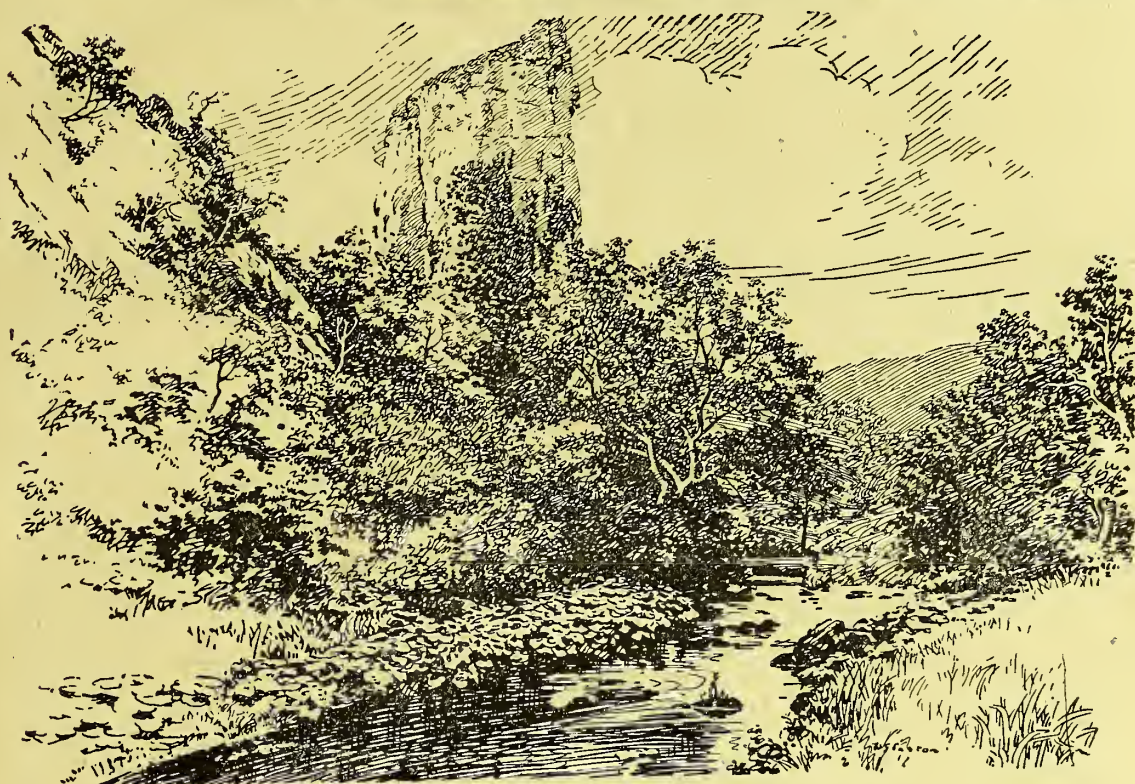
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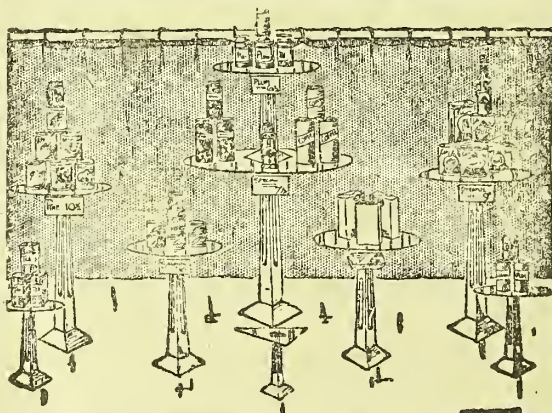

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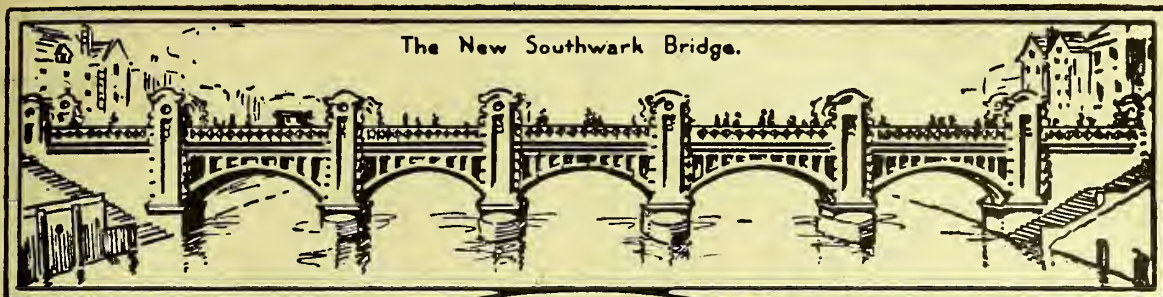
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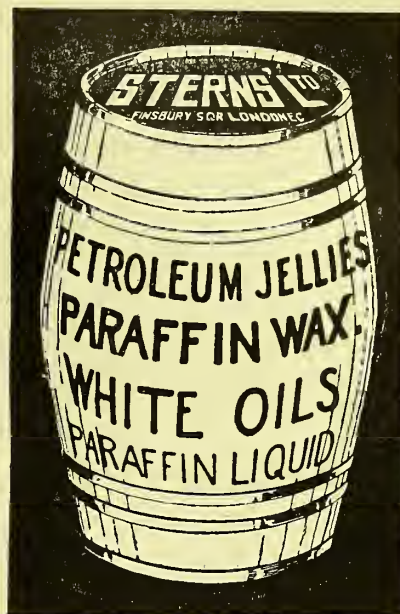
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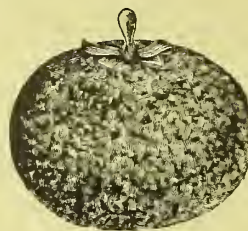
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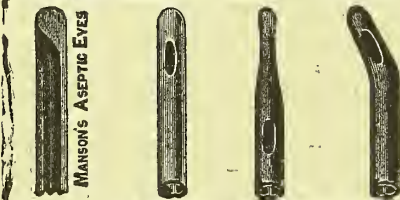
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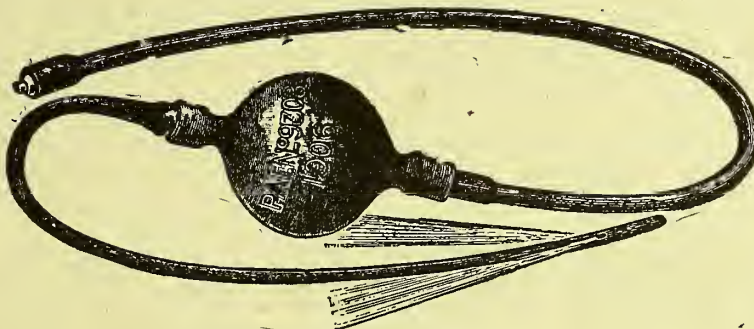
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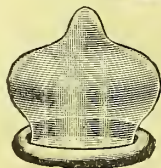
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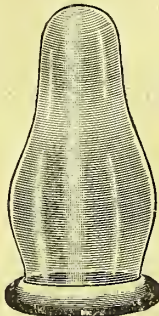
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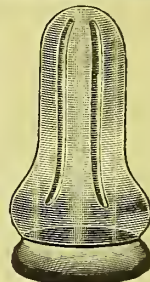
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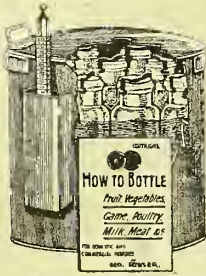
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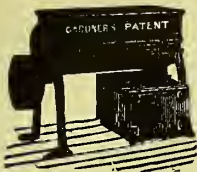
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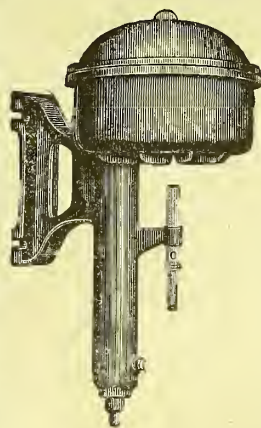
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Packets, 1/6, at 9/- per doz. Bots., 2/9, at 21/- per doz.

THE NEW WAVCURL CO., Fulwood House, High Holborn, London, W.C. 1**STIPENDUM CORK STOPPERS**

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Below we give you our present prices of

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HEALO OINTMENT, 1/3 size ...	10/6 doz.
(Bonus 1/2-doz. with 4-doz. or 1-doz. with 6-doz.)	
HEALO OINTMENT, 3s. size ...	cost 27/- doz.
" " (Veterinary) ...	21/- "
" SKIN SOAP, 9d. tablets ...	6/3 "
" BLOOD ENRICHERS, 1/3 size	10/6 "

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Manufacturing Chemists and Food Specialists,
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Throat, Nose and Ear Brushes a Speciality.

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Fennel Seed.

112 lb. bags, 60/-
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Dill Seed.

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per cwt.

Honey.

1 lb. glass jars, in
3 dozen cases at
30/- per dozen.

Finest Honey,

in 2 × 60 lb. tins at
210/- per cwt.

Greaseproof Paper.

2/6 per lb.

Dried Milk Powder.

1 cwt. and $\frac{1}{2}$ cwt.
cases at 200/-
per cwt.

Fine Locust Beans.

2 cwt. bags at 60/-
per cwt.

Edible Gelatine for high grade use, needs no soaking, as it is already cooked in the manufacture, size 8 × $4\frac{1}{2}$, in $\frac{1}{4}$ lb. packets at 4/6 per lb., to retail at 1/6 each.

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BEAUTIFULLY PACKED.

OUR REPRESENTATIVE
WILL SHOW YOU SAMPLES.

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"VIPER."

"VAMPIRE."

"BIG BAT" FLYPAPERS.

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Apology

THE HALIBURTON DRUG STORE
HALIBURTON ROAD
ST. MARGARETS, MIDDLESEX

I, E. HUMPHREY, HEREBY TENDER my humble apology to Messrs. Burroughs Wellcome and Company for employing their trade mark 'Tabloid' in a showcard and selling and offering for sale goods not of their manufacture when Cascara 'Tabloids' were ordered.

I HEREBY AGREE to the publication of this apology by Messrs. Burroughs Wellcome and Company and I undertake to respect in future all trade marks owned by them.

Dated this 28th day of June, 1918

(Signed) E. HUMPHREY

Witness: (Signed) T. Humphrey, 155, Haliburton Road, St. Margarets

The Registered Trade Mark

'Tabloid'

is an arbitrarily coined word or brand which designates specifically that goods supplied under this brand are issued by

BURROUGHS WELLCOME & CO.

The sale of articles of any other manufacture, when the word 'Tabloid' is used in ordering, is an infringement and unlawful.

We prosecute offenders rigorously, in the interest of prescribers, dispensers, patients and ourselves.

Burroughs Wellcome & Co.

TRADE
MARK

'TABLOID' BRAND Cascara Sagrada

The Quality that pays best

The quality you would demand if you were retired from business and wished to buy Cascara Sagrada.

The only quality you can afford to supply to your customers.

	Per doz. ovals	Per doz. bottles
gr. 1	5/0	10/0
gr. 2	6/0	14/0
gr. 3	8/0	16/0
gr. 4	9/0	20/0
gr. 5	10/0	22/0
0.15 gm. ..	6/0	14/0
0.25 gm. ..	9/0	20/0

Prices subject



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PULVELLÆ.
FLEXOIDS.
FLEXETTES.
FIZZZLETS. *(Suspended)*
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EXTRAITS AUX FLEURS.
ESSENTIAL OILS.
POMADES (FLORAL).
ROSE WATER.
SACHETS.
PERFUMES..
SYNTHOROSE.
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A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
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The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of many Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

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Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

Head Office: 42 CANNON STREET, LONDON, E.C. 4.

Telegrams: "Chemicus. Cannon, London." Telephone 3617 Central (three lines).

Branches: MELBOURNE AND SYDNEY, AUST.

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Wills.

MR. CHARLES ALBERT JONES, chemist and druggist, 3 Hassop Road, Reddish, who died on June 6, left estate of the gross value of 2,705*l.*, with net personalty 2,467*l.*

MR. FRANCIS ROBERT DAWSON, J.P., manufacturing and wholesale chemist, 40 Parkview, Wigan, who died on May 8, left 40,413*l.* 1s. 6*d.*, the net personalty being 7,704*l.* 18s. 1*d.*

MR. FRANK HARWOOD LESCHER, Ph.C., 8 Prince Edward Mansions, Bayswater, London, W., who died on May 12, left property of the value of 50,466*l.* 7s. 7*d.* gross, with net personalty 50,290*l.* 1s. 4*d.*

MR. JOHN TAYLOR PICTON, chemist and druggist, West-leigh, Walton Inferior, Cheshire, who died on May 19, left estate of the gross value of 3,700*l.* 0s. 2*d.*, with net personalty 1,695*l.* 13s. 9*d.*

MR. ARTHUR JOSEPH LETT, chemist and druggist, 21 Addingham Road, Mossley Hill, Liverpool, who died on June 6, left estate of the gross value of 1497*l.* 14s., and probate of his will has been granted to his daughter, Miss Dorothy Fras. Lett, of 20 Addingham Road, aforesaid.

UNITED ARTS RIFLES, "D" COMPANY (PHARMACISTS).—On Sunday, July 21, at 10 A.M., Company parade at Imperial College Union, South Kensington, S.W. Party detailed for musketry will parade at Fenchurch Street Station at 9.45 A.M. (July 24 and 28, at 3 P.M., platoon parades at Headquarters.)

European War News.

Formaldehyde (Dealings) Order, 1918.

The Army Council has found it necessary to control the import, manufacture, and sale of formaldehyde, in accordance with the terms of the above Order. Imports will only be permitted under Government licence, and will be controlled by the Department concerned. Manufacture will be carried out under the control of the Department. Applications for the purchase of quantities of one barrel (approximately 40 gals.) and upwards should be made to the Director of Army Contracts. Smaller amounts can be obtained from the ordinary sources, in accordance with the prices fixed in the Order. All communications on this subject should be addressed to the Director of Army Contracts, Imperial House, Tothill Street, S.W. 1, and marked "Formaldehyde."

War Office,

July 8, 1918.

ARMY COUNCIL ORDER.

The Formaldehyde (Dealings) Order, 1918.

In pursuance of the powers conferred upon them by the Defence of the Realm Regulations, the Army Council hereby order as follows:

1. No person shall purchase, sell or make or take delivery of or payment for any formaldehyde (40-per-cent. solution) at any price other than 150*l.* per ton delivered free on rail; provided that upon any sale of any quantity exceeding ten gallons and not exceeding one barrel an addition of 7*d.* per lb. may be made; and provided that upon any sale of any quantity exceeding five gallons and not exceeding ten gallons an addition of 7½*d.* per lb. may be made; and provided that upon any sale of any quantity not exceeding five gallons an addition of 8*d.* per lb. may be made; and provided further that upon any sale of any quantity less than one barrel additional charges may be added to the sale price in respect of carriage and containers, such charges to be limited to any expenses actually incurred by the vendor, subject to an addition of 1*d.* per container in the case of containers holding less than one-half gallon.

2. This Order may be cited as the Formaldehyde (Dealings) Order, 1918.

By order of the Army Council,

(Signed) R. H. BRADE.

Trading with the Enemy.

FEES AND AGENTS' CHARGES IN RESPECT OF PATENTS, DESIGNS, AND TRADE-MARKS.

(From the "London Gazette," July 16.)

Whereas by a Licence dated 7th day of December, 1915, the Board of Trade, in pursuance of the powers conferred upon them by certain Royal Proclamations relating to Trading with the Enemy, authorised all persons in the United Kingdom or in any part of His Majesty's Dominions to pay any fees necessary for obtaining the grant, registration, or renewal of Patents, Designs, or Trade-marks in an enemy country and to pay to enemy agents their charges and expenses in relation to such matters and also to pay on behalf of an enemy fees payable in the United Kingdom or in His Majesty's Dominions on application for the grant, registration, or renewal of Patents, Designs, or Trade-marks and to pay the charges and expenses of agents in relation thereto; And whereas the said Licence was amended by a further Licence of the Board of Trade dated 5th September, 1917; And whereas it appears to the Board of Trade that such payments as aforesaid should no longer be authorised; Now, therefore, the Board of Trade hereby revoke the said Licences and give notice that all such payments as aforesaid are from the date hereof prohibited under the Proclamations relating to Trading with the Enemy.

H. LLEWELLYN SMITH,

A Secretary to the Board of Trade.

7 Whitehall Gardens, S.W.

Personalia.

SERGEANT J. BRADLEY, Lancashire Fusiliers, is reported missing. Prior to his enlistment in 1915 Sergeant Bradley was with William Blythe & Co., Ltd., manufacturing chemists, Church, Lancs.

SECOND LIEUTENANT FRANK BAINES, Loyal North Lancashire Regiment, has been awarded the Military Cross for gallantry in action, and has been promoted lieutenant. Prior to joining the Army he was apprenticed with Boots, Ltd., at Chorley, Lancs.

B

MAJOR HORACE R. HASLETT, Royal Irish Rifles, has sent a postcard to his home intimating that he is a prisoner of war in Germany. Major Haslett, a son of the late Sir James Haslett, M.P. (J. & J. Haslett, Ltd., Belfast), had been missing since May 27 (*C. & D.*, June 22, p. 34).

PRIVATE C. A. BINGHAM, East Lancashire Regiment, previously reported missing (*C. & D.*, June 29, p. 34), has sent a postcard to his father, Mr. Albert C. Bingham (senior representative of Robinson & Sons, Ltd., Chesterfield), stating that he is a prisoner of war in Germany and unwounded.

THE FOLLOWING CASUALTIES are reported in connection with soldiers who till their enlistment were with Joseph Crosfield & Sons, Ltd., Warrington: Company Sergeant-Major William Woodward, South Lancashire Regiment, in hospital with trench fever; Private W. H. Evans, R.F.A., in hospital in England.

LIEUTENANT WILFRED WELLS has arrived in India, where he has been gazetted to a commission. Lieutenant Wells, who is the only son of Mr. W. F. Wells, Ph.C., M.C.P.S.I., Dublin, has seen considerable service in France. His sister, Miss E. Wells, has been appointed an administrator in Queen Mary's Army Auxiliary Forces.

Miscellaneous.

BELGIAN DOCTORS' AND PHARMACISTS' RELIEF FUND.—Among the subscriptions that have been received recently for this fund are the following: Needhams, Ltd., 10s.; Westmacott & Son, 2l. 2s.; Mr. J. R. Wretts, 3l. 3s.; Mr. A. J. Phillips, 3l. 3s.

ANTI-GERMAN DEMONSTRATION.—Strongly worded demands for the internment of enemy aliens were adopted at a meeting which filled Trafalgar Square, London, on July 13. Among the most successful speakers was Mr. Owen A. Clark, M.B.E., chemist and druggist, Mayor of Bury St. Edmunds, who was in khaki. In the course of his speech, which drew cheer after cheer, he remarked: "They're an accursed race. I owe the death of my brother to treachery, and I will never rest until I get even with them! Intern them all; or, rather, leave the 'n' out—inter them all. Let the name 'German' be handed down to posterity as everything that was bestial, damnable, and abominable." The audience then repeated after the speaker the following pledge: "I solemnly promise that I will, to the utmost of my power, help to carry the successful prosecution of this righteous war to a victorious end, and that I will, to the utmost of my ability, bring force to bear upon the authorities to turn out of this Realm of England the accursed, insidious, and dangerous enemy alien, naturalised or unnaturalised." The audience showed their approval of the speaker's sentiments by singing "For he's a jolly good fellow."

Military Tribunals' Decisions.

SINCE OUR LAST REPORT the following decisions have been notified:

BLACKPOOL.—The National Service Representative suggested that a chemist's assistant to whom exemption to December 31 was granted should do spare-time voluntary work; but the Tribunal declined to impose any condition, and the chairman remarked that it was unfair to ask chemists, after working long hours, to put in extra work.

KIDDERMINSTER.—Mr. E. J. Bromage, chemist and druggist, was conditionally exempted.

LANCASTER.—Mr. Cuthbert, a director of Cuthberts (Lancaster), Ltd., chemists, was temporarily exempted to July 31, and ordered to find work of national importance. It was stated that during the previous fortnight 703 N.H.I. prescriptions had been dispensed by the company, whose only qualified assistant was seventy-five years of age.

LLANELLY.—With the consent of the N.S.R., Mr. John Davies, Ph.C., was allowed to remain in his present position.

OLDHAM.—Mr. J. Scholes, drug-store proprietor, who has a son and five brothers in the Forces, was exempted to November 30.

SHOREDITCH.—As ordered by the Tribunal at a previous hearing (*C. & D.*, June 29, p. 34), details of the business of Warrick Bros., Ltd., Nile Street, were submitted in support of the claim of Mr. Robert Charles Warrick, chemist and druggist, to continued exemption. Mr. F. W. Warrick, Ph.C., stated that the company were wholesale and manufacturing chemists, with a staff of 200 employees. Six months' further exemption was granted.—Mr. W. H. Arber (trading as S. T. Darke & Co.), bottle-manufacturer, who stated that he was supplying the War Office with bottles, was granted four months' exemption for himself and for eight of his workmen. His application on behalf of two other men was dismissed, calling-up to take effect on August 10.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Contracts.

The following tenders have been accepted by the bodies named:

Bethnal Green Guardians.—Baiss Bros. & Co., Ltd., drugs. Boston Guardians.—Mr. T. B. J. Booker, chemist and druggist, quinine.

Camberwell Guardians.—Apothecaries' Society, carbolic acid; Lysol, Ltd., Lysol; S. Maw, Son & Sons, Ltd., surgical sundries.

Eton Guardians.—Griffith & Walden, chemists, Slough, medical requisites.

Metropolitan Asylums Board.—The British Drug Houses, Ltd., drugs; Waters & Co., Ltd., methylated spirit; Bovril, Ltd., meat extract.

Birmingham.

The general adoption of the metric system was advocated in a forcible article in the local Press appearing on July 12.

For sore tongue caused by the use of Lysol, "Medico," of the "Birmingham Weekly Post," recommends glycerin of alum. He considers Lysol as "dangerous" as carbolic acid.

In the course of a lecture to University students given by a well-known pharmacist, it was elicited that many bottle-bottles of eucaine have been made in the Midlands since the war began.

The Lord Mayor of Birmingham opened an exhibition of Canadian official war photographs in the galleries of the Royal Society of Artists on July 3 in aid of the Canadian War Memorial Fund.

The rain, welcome though it is, damps the sale of spraying-preparations, which in part it seems to replace. Is it the traces of ammonia and nitric acid or the rare gases in rain-water that are so beneficial to vegetable life?

Holbrooks, Ltd., who are opposing the Shropshire, Worcestershire, and Staffordshire Electric Power Bill, say that it would involve them in an outlay of 12,000l. to secure pure air for the purpose of making vinegar at their works at Stourport.

The death is announced of Mr. F. W. Langley, Secretary of the Rubber Chemical Co., Ltd., Ludgate Hill, Birmingham. He was an authority on chemicals used by rubber-manufacturers, and came into contact with many pharmacists.

Liverpool.

A pharmacist terms the shelf that he devotes to hair-restorer his "haero-plane"!

Pharmacists find a new competitor in the fruiterer, who sells lemons as a safeguard against influenza.

Mr. Wm. P. Evans, President of the Liverpool Chemists' Association, returned from a Scottish journey on July 15.

The pressure of orders on the wholesale houses, which was relaxed about a fortnight since, has been renewed, and all available hands are briskly employed.

Mr. Max Muspratt, ex-Lord Mayor of Liverpool, has been elected Chairman of the Liverpool Liberal Federal Council and leader of the Liberals in the City Council.

The other day an assistant fell through the trap-door behind the pharmacy counter and alighted below on his feet without injury. Now that Cinquevalli is dead—

The medical officer to the Liverpool Port Sanitary Authority (Dr. E. W. Hope) records that only one plague-infected rat was found at the docks last year. No case of plague occurred in the city.

Influenza has visited the wholesale and retail branches impartially. As many as 25 per cent. of a staff in Hanover Street have suffered. Some retailers have found their supplies of specifics finished, and have had to turn customers away.

A suburban chemist recently supplied an anti-influenza specific to a young sailor who was about to join his ship and feared he had contracted the malady. His mother asked if she might venture to kiss the boy on the back of his neck. The pharmacist said, "Yes."

Mr. William Kirkby, M.Sc., Ph.C., F.C.S., the new President of the B.P.C., is a member of the Liverpool Chemists' Association. His paper, "The Pharmacist and the Public," read before the Liverpool members on November 17, 1915 (*C. & D.*, II., 1915, p. 698), bore testimony to the good feeling existing between Manchester and Liverpool pharmacists, and was printed at the expense of Mr. W. H. Saunders (Ayrton, Saunders & Co., Ltd.). During the same visit Mr. Kirkby was the guest of Mr. William P. Evans at the Fenwick Street Club.

Sheffield.

Private Hitchcock, in civil life with Boots, Ltd., at a Sheffield branch, is a prisoner of war.

The influenza epidemic has died down again, much to the satisfaction of chemists; it would have been impossible to continue much longer at the high pressure.

Mr. George Carr, chemist and druggist, who qualified in 1871, and has for some years past been in practice as a dentist, has commenced business as a druggists' sundriesman, trading as George Carr, Ltd.

Quite a number of men affected by the "clean cut" have, on medical re-examination, had their grade reduced, and will therefore remain in civil life. It is not expected that any further claim for men will be made at present, as the "rock bottom" has been reached.

Miscellaneous.

WAR-WEAPONS SUBSCRIPTION.—Among the principal amounts subscribed at Leeds during its recent War-weapons Week was one of 10,000*l.* from Taylors' Drug Co., Ltd., Burley Hill.

WINES AND SPIRITS FOR INFLUENZA.—At midday on July 8, the drug-stores of Mr. M. W. Tweddell, Ellison Street, Jarro, were besieged by people in search of wines and spirits—for influenza, it is believed. So great was the crowd that those in the shop could not get out. The establishment was then closed and the customers released by another exit.

WOMEN PHARMACISTS ORGANISING.—It has been decided to extend the functions of the Association of Women Pharmacists as a national organisation of all qualified women by arranging for the formation where desirable of local groups of the Association. Women pharmacists in any part of Great Britain who feel the need of such development in their district are asked to communicate at an early date with Miss Braithwaite, Hon. Secretary, Gordon Hall, Gordon Square, London, W.C. 1.

VENEREAL DISEASE ACT STATISTICS.—The medical officer of health for the City of London reports, in his summary for the year 1917, that from August 13 to the end of the year 243 patients were treated for venereal diseases at the City Shelter, Golden Lane. During the same period 866 doses of novarsenobillon and 103 of galyl were administered, and 196 specimens of pathological material were examined. The report also states that of sixty-nine samples of drugs taken, six were reported against—four being boric acid and two camphorated oil. Three of the sixty-nine samples were taken formally, and were all found to be adulterated.

TRADE AFTER THE WAR.—It is announced that a conference of between 3,000 and 4,000 manufacturers will be held at the Central Hall, Westminster, on July 23, under the auspices of the National Union of Manufacturers, at which Sir E. Carson, M.P., will move a resolution representing to the Government that on the declaration of peace many firms now engaged on war-work will find it difficult to continue to give employment. They therefore urge the importance of putting an end to the present uncertainty, and of making at once a declaration of economic policy as it affects the Empire, the Allies, and belligerents. The resolution also affirms the necessity of the Government so framing its policy that the reconstruction of industries should not be at all hindered or threatened by undue foreign competition or dumping, and that the resources of the whole Empire and of the Allies may be available for rehabilitating their commercial position. Mr. G. Terrell, M.P., will occupy the chair, and it is expected that a deputation will be appointed to wait upon the Prime Minister.

IN THE COURTS.—At Folkestone Police Court, on July 12, Mr. John Ward Stainer, Ph.C., Sandgate Road, was summoned for supplying cocaine to a soldier on March 30, contrary to the Narcotic Drugs Order. Mr. Stainer pleaded not guilty. The typewritten order for the cocaine, produced in court, purported to be signed by a Captain Hood, M.D., C.A.M.C.: a Canadian Army medical officer stated that there was no one of that name in the C.A.M.C. The private who was supplied having refused to disclose the authorship of the order, Mr. Stainer gave evidence, explaining that he accepted the order as genuine, and supplied half an ounce of cocaine for 2*l.* and a hypodermic syringe for 13*s.* 6*d.* He had supplied these things to the hospitals previously. Several military officers were now using paper with merely a typed heading. The Bench said that no doubt Mr. Stainer was off his guard at the time, but a chemist must take adequate precautions. A fine of 5*l.* was imposed.—At Clerkenwell Police Court, London, on July 15, Ni Yung-and Chong Chung, charged on remand with the unauthorised possession of opium (*C. & D.*, July 13, p. 34), were each fined 25*l.*, with 3*l.* 3*s.* costs.

Scottish News.**Brevities.**

Dispensing in the towns of "the Kingdom" continues as heavy as in the most severe winter.

Elizabeth Ford, millworker, Lochee, drank in error some liniment intended for rheumatism, and died before medical aid was obtained.

It is suggested that the reason why there are so many cases of parasitic mange in horses just now is that Army horses affected by it are regularly sent, by road or rail, to Glasgow.

The Dalmeny Parish Council has, on the recommendation of "the Association of Medical Practitioners," agreed to increase its medical officer's salary by 25 per cent. Where is the corresponding Association in pharmacy?

Over a hundred towns have, through their Councils or trade institutions, favourably responded to the Early Closing Association's appeal for support in the board's policy for a seven-o'clock compulsory closing of shops from September 30 next, when the present eight-o'clock order lapses. Copies of resolutions in its favour have been sent from these towns to the Home Secretary. In view of this campaign it is urged that the various organisations of pharmacy should bestir themselves and request the medical profession to alter their evening consulting-time, making it an hour earlier.

Scottish Chemists' Retail-price List.

The following are some of the alterations in the current issue of the Scottish Chemists' Retail-price List: *Drugs.*—Acetanilide, 4*d.* dr.; acid. carbol. pur. liq., 5*d.* oz.; ac. sambuci, 2*d.* oz.; camph. ang. flor., 9*d.* oz.; lin. bellad. meth., 1*s.* 4*d.* oz.; lin. crotonis, 10*d.* oz.; resorcin, 1*s.* 6*d.* dr.; sacch. lact., 9*d.* oz.; rad. sarzæ Jam., 9*d.* oz.; tinct. buchu, 9*d.* oz. *Packed Goods.*—Cascara capsules (30-m.), xxiv. 1*s.* 6*d.*; castor-oil capsules (30-m.), xxiv. 1*s.* 3*d.*; cinnamon and quinine capsules, xxiv. 1*s.* 3*d.*; santal-oil capsules (5-m.), xxiv. 2*s.* 9*d.*, (10-m.) xxiv. 4*s.* 6*d.*; chemical food, 4-oz. 1*s.*, 8-oz. 1*s.* 10*d.*

Dundee.

In connection with the question of the military commitment of medical men, complaint was made at a recent meeting of the Forfarshire Insurance Committee of the inadequacy of the existing medical service in Dundee. A case was reported in which a man recovered from influenza before he had even seen the doctor who was sent for; and in another instance an insured person alleged that when he called in his doctor he received no answer for a month.

An article in the "Dundee Advertiser" of July 13 makes merry over the shortage of drugs, referred to in the recent B.P.C. Presidential address (*C. & D.*, July 13, pp. 36-37), as follows:

As sure as fate, those who suffer from what they turn mill wheels with in Holland will be lined up at the chemist's door with their carbonate of soda cards in their hands. . . . It is quite clear that the mixtures of to-morrow will be no better than Government beer. Therefore, there's nothing to be done but to ration very stringently all diseases for which cures are now wanting. No one should be allowed to indulge in the commoner forms of indigestion unless by paying a heavy Luxury Tax. The rarer forms put forward by dyspeptic experts must be permitted only under licence. Chills on the liver should only be supplied by coupon, and coughs and catarrhs (half a coupon each) should be used much more sparingly!

Edinburgh.

Several Leith chemists have ceased opening on Sunday forenoons.

Business is still excellent. Takings on a Sunday or half-holiday have of late far surpassed those of pre-war times.

Miss Joyce Clementine Blackwood Mitchell, a niece of Mr. James B. Mitchell, chemist and druggist, South Clerk Street, has been capped M.B., Ch.B., and was also awarded the Dorothy Gilfillan Memorial Prize.

Glasgow.

Business in this city has been very brisk lately on account of the Glasgow Fair holiday.

It is suggested that holiday-makers on the moors and hills might devote some part of their time to the collection of sphagnum moss. Sacks and full particulars are obtainable at the Sphagnum Moss Depot, Renfrew Street.

It is stated officially that the number of Glasgow chemists and their employes affected by the new military service agreement is thirty-seven. The "flu" epidemic has, incidentally, proved conclusively the necessity of maintaining an adequate service in civil pharmacy.

Irish News.

Brevities.

Mr. John F. Kelly received a presentation on the occasion of his leaving Clonmel to take up a position with McMaster, Hodgson & Co., Dublin. Mr. Kelly served his apprenticeship with Jas. Byrne & Co., Clonmel.

Mr. James J. McHenry, Ph.C., the National Pharmacy, 23 High Street, Enniskillen, has passed in materia medica, pharmacology and therapeutics, medical jurisprudence, toxicology, and public health in his third professional examination at the Royal College of Surgeons, Ireland. (Corrected notice.)

The Belfast wholesale houses resumed business on July 15 after the annual holiday, which lasted from July 11. Trade continues brisk. Retailers still report a great demand for quinine, formalin, and cinnamon preparations, consequent on the influenza epidemic, which at last shows some signs of abating.

Cocaine and Opium Regulation.

In the Dublin Southern Divisional Police Court on July 9, before Mr. Swift, K.C., Chief Metropolitan Police Magistrate, Mr. Joseph O'Reilly, Ph.C., manager of Furlongs Medical Hall, 17 Upper Merrion Street, Dublin, was summoned by Inspector Barrett, Dublin Metropolitan Police, to answer charges of having failed to comply with the provisions of Regulation 40b of the Defence of the Realm Regulations relating to the sale of cocaine. Mr. J. W. Davis, prosecuting, said that Mr. O'Reilly neither retained the original prescriptions in which cocaine was an ingredient, nor did he enter them in a special book as prescribed by the Regulation. For the defence, it was stated that he entered a copy of every prescription compounded by him, though not in a special book. Mr. Swift imposed a fine of 2l.—Mr. Ronald Bruce Brown, Ph.C., 139 St. Stephen's Green, Dublin, was also charged with a breach of the Regulation by not retaining the original prescriptions containing cocaine. It was admitted that he had otherwise complied with the Regulation. Mr. Swift imposed a fine of 17.—Before Mr. Drury in the Dublin Police Court, on July 16, Mr. George F. Lee, manager of the Apothecaries' Hall, Mary Street, Dublin, was summoned for failing to keep a record of the sale of cocaine. In reply to Mr. Friery, who defended, complainant said the necessary particulars of the sale were entered in a separate book, but not in the form prescribed under the D.O.R.A. Mr. Drury said a technical offence had been committed, and he would impose the nominal penalty of 1s.—Mr. Dominick Dolan, Ph.C., Bolton Street, Dublin, was prosecuted for failing to keep a record of the sale of cocaine in a book set apart for the purpose. There was a second summons for keeping a record of the sale of cocaine and opium in the same register. Mr. Dolan, solicitor, who defended, contended that the necessary details were recorded, though not in the prescribed form. Mr. Drury said the case differed from the last one, and imposed a fine of 10s. on the first summons, marking the other "No rule."

Pharmaceutical Society of Ireland.

Council-meeting.

THE monthly meeting of the Council was held at 67 Lower Mount Street, Dublin, on July 8. Mr. James Michie, President of the Society, presided. The following members of the Council were also present: Messrs. J. E. Connor, J.P. (Vice-President), G. D. Beggs, J.P. (Treasurer), W. F. Wells, A. Owen Wells, G. A. McLean Lee, William Doig, William Hanna, J.P., Thomas N. Moffitt, Wm. J. Hardy, John Smith, D. M. Watson, James Tate, Dr. J. A. Walsh, and Dr. A. J. Barnes.

Mr. Richard Blair, Mr. Victor E. Hanna, and Mr. Bowden wrote that they were unable to attend.

PHARMACISTS AND ARMY SERVICE.

THE PRESIDENT referred to the negotiations which are proceeding in reference to the position of pharmacists in the Army.

SALE OF CARBOLIC ACID.

The Registrar read a communication from the Assistant-Inspector-General, Royal Irish Constabulary, stating that Mr. Laurence H. Reynolds, Justice of the Peace, of Ballinalee, co. Longford, had been fined 5l., and costs, at the Ballinalee Petty Sessions, on June 7, for selling carbolic acid.

APPLICATION FOR RECOGNITION.

The Registrar read a letter from Mr. Edward Daly, Principal and Secretary, applying that the Municipal Technical School, Drogheda, should be recognised by the Council in respect of practical work in chemistry for pharmaceutical students. Mr. Daly stated that the school has been recognised since November 1916 for lectures in theoretical chemistry, and that the teacher is Mr. J. G. Ledwidge, A.R.C.Sc.I., who is also a professional analyst.

It was decided to refuse the application for the present.

MESSENGERS IN CHEMISTS' SHOPS.

The Registrar read a letter from the Secretary, Juvenile Advisory Committee, Ministry of Labour Employment Exchange, Dublin, asking whether the Pharmaceutical Society would receive a deputation from the After-Care Sub-Committee of the Dublin Advisory Committee for Juvenile Employment to discuss the conditions under which boys are engaged as messengers in chemists' shops.

The Registrar was directed to reply that the matter does not come within the scope of the Society.

MEMORIAL FOR REDUCTION OF FINE.

The Registrar submitted a communication from the Under-Secretary, Dublin Castle, transmitting copy of a memorial from Mr. E. Rodgers, of Scariff, co. Clare, who was fined at Tomgraney Petty Sessions on charges arising out of the sale of sheep-dip. The Registrar also read the reply which he had sent setting forth the facts connected with the case.

PROFESSOR'S RESIGNATION.

The Registrar read a letter from Mr. George Brownlee, B.Sc., A.I.C., resigning his professorship in Practical Chemistry.

CHANGES OF ADDRESS.

The following wrote notifying changes of address: Rev. Alphonsus Kerr, Ph.C., to Maynooth Mission to China, St. Columban's College, Dalgan Park, Galway; and Mr. Robert Wolfe, Ph.C., to Army Medical Department, War Office, London.

PRELIMINARY REGISTRATION.

The following, who submitted certificates from other bodies, were admitted to Preliminary registration:

Miss Ellen M. Clery, Bulgaden, Kilmallock, co. Limerick; Mr. Wm. Aherne, B.A., New Market Street, Fermoy, co. Cork; Mr. Thomas A. Crotty, Medical Hall, High Street, Kilkenny; and Mr. Edward F. Guilmartin, Cloncannon, Moneygall, Roscrea, co. Tipperary.

REPORTS FROM COMMITTEES.

Reports from the Law Committee, the Certificates Committee, the Declarations Committee, the House Committee, and the School Committee were considered and adopted.

APPOINTMENT OF AN EXAMINER.

On the motion of Mr. HARDY, seconded by Mr. MOFFITT, Mr. G. Elvill, B.A., R.U.I., 22 Leeson Park, co. Dublin, was elected an examiner to conduct the Pharmaceutical and General Chemistry division of the Pharmaceutical Licence examination, in the room of Mr. John McBirney, V.S., M.P.S.I., whose five years of office expired on the conclusion of the July examination.

ELECTIONS.

The following were elected as members:

Messrs. James J. Bolger, Ph.C., the Medical Hall, Carlow; James R. Bunyan, Ph.C., Listowel, co. Kerry; Alfred L. Hanrahan, Ph.C., the Pharmacy, Tallow, co. Waterford; John H. Moffatt, Ph.C., Ballynefeigh, Belfast; Thomas Neligan, Ph.C., Strand, Dingle, co. Kerry; Hugh B. O'Donoghue, Ph.C., the Pharmacy, Virginia, co. Cavan; John M. O'Sullivan, Ph.C., Stack's Medical Hall, Listowel, co. Kerry; and Joseph Reynolds, Ph.C., 145 Cliftonville Road, Belfast.

The following were elected as associate druggists:

Messrs. Charles Abernethy, R.D., 234 Albert Bridge Road, Belfast; Albert E. A. Davis, R.D., 30 Donegall Road, Belfast; Samuel Gibson, chemist and druggist, J.P., Summerhill, Dunmurry, co. Antrim; Francis Lindsay, R.D., 260 Newtownards Road, Belfast; Hugh Marshall, R.D., 4 York Road, Belfast; William J. Rankin, chemist and druggist, 5 St. Jude's Avenue, Belfast; Edward Roberts, R.D., 250 Shankill Road, Belfast; Thomas Sandford, R.D., 12 Victoria Avenue, Newtownards; Frederick T. Smith, R.D., J.P., High Street, Antrim; and Samuel Suffern, R.D., 304 Shankill Road, Belfast.

NOMINATIONS.

The following were nominated as members:

Mr. Robert Irwin Eccles, Ph.C., the Athy Pharmacy, The Square, Athy; Mr. Philip Joseph Fox, Ph.C., the Medical Hall, Tramore; Mr. James Louden, Ph.C., Bridge Street, Donaghadee; Mr. Wm. Joseph Molony, Ph.C., Clonmuckeen, Limerick; Mr. Peter Ronaghan, Ph.C., 2 Dyke Parade, Cork; and Mr. R. Lenahan, Ph.C., Archdene, Earlswood Road, Strandtown, Belfast.

The following were nominated as associate druggists:

Mr. Samuel McDowell, R.D., 209 Shankill Road, Belfast; Mr. David Manson, R.D., 79 Peter's Hill, Belfast; Mr. D. A. Taylor, R.D., 117 Davis Street, Belfast; Mr. Alexander McMurray, R.D.,

132 Grosvenor Road, Belfast; Mr. W. J. Bushy, 29 Anne Street, Belfast; and Mr. Thos. Unsworth, R.D., Ballynahinch.

Mr. TATE said he was very pleased that they had a considerable addition to the membership of the Society from the registered druggists. They seemed to be taking a warm interest in the Society.

This concluded the public business.

Examination Results.

Preliminary Examination.—The following passed with honours: William Quirke, Clonmel; Thomas Francis Hanrahan, Belfast. The following also passed: Robert Kerr, Lurgan; Edmond Dominick Maguire, Annsboro', co. Down; [Charity Elizabeth Culbert, Belfast = James Wm. O'Gorman, Ballyragget, co. Kilkenny]; Elizabeth Potts, Banbridge; Kathleen Mary Teresa Hartnett, Cork; Mary Wren, Cork; Gerard Alphonsus Colbert, Limerick; Mary Monica Smyth, Ballybofey, co. Donegal; Mary Gertrude Smeaton Bennet, Cahirciveen; Richard Carney, Cork; George Joseph Dowdall, Dublin; John Alexander Carswell, Belfast; Patrick Lawlor, Monasterivan; Francis Doyle, Sligo; Thomas Henry McCullagh, Enniskillen; Mary Small, Portrush. Fourteen candidates were rejected.

Registered Druggist Examination.—Howel Thomas Grindle, Dublin, and James Wm. Smyth, Belfast, passed. Three candidates were rejected.

Pharmaceutical Licence Examination.—Denis Augustine O'Connell, Listowel, and Alexander Steede, Craigs P.O., co. Antrim, passed with honours. The following also passed: Wm. James O'Donnell, Buncrana; Richard Deane Clarke, Cork; John Gubbins, Emly; John O'Connor, Cahirciveen; George Walsh Sleanor, Augher; James Vincent McKeever, Kiliney, co. Dublin; Daniel Joseph Brolly, Ballykelly, co. Londonderry; Wm. Moir Birmingham, Waterford. Thirteen candidates were rejected.

Pharmaceutical Assistant Examination.—The following have passed: John Francis Boyle, Dungarvan; Denis Clement Slattery, Rathgar.

Remedies for Venereal Diseases.

ONE section of the address delivered by Mr. C. A. Hill, President of the British Pharmaceutical Conference, which was referred to briefly last week, was a *résumé* of the present position in regard to remedies for syphilis and gonorrhœa. Mr. Hill said: It will probably not be without interest to members of the Conference if I recount very briefly the procedure commonly followed up to recent years—in fact, up to the war—in the treatment of venereal diseases, taking first syphilis. In accordance with the universally accepted belief that the *Spirochæta pallida* was the cause of syphilis, and arsenic being found to kill the *Spirochæta*, it naturally followed that arsenic cured syphilis. Arsenic was administered in the form of an organic compound, the idea being that the "organic" arsenic would be, in the doses given, toxic to the *Spirochæta* and non-toxic to the human host. Of the arsenical bodies used, salvarsan, stated to be the 606th compound prepared for the purpose by Ehrlich—a statement which makes some demand upon our credulity—was used by far the most widely. Later Ehrlich introduced neo-salvarsan. The practice was to administer salvarsan until the Wassermann reaction became negative, and then—as it is most important to bear in mind—treatment with mercury and potassium iodide was continued for one to two years afterwards. As a matter of fact, in spite of prolonged mercury treatment, recurrence, after a time, was the rule. About seven years ago it occurred to McDonagh, who had worked for some time with Ehrlich, that if the theory upon which the treatment was based was sound, salvarsan ought really to cure syphilis, which it certainly did not do. The reason for the incomplete success of the arsenical treatment McDonagh found in his theory that the *Spirochæta pallida* is not itself the sole cause of syphilis, but is the male phase in the somewhat complicated life-history of a protozoon which he named *Leucocytozoon syphilidis*. According to McDonagh's theory the successful treatment of syphilis lies in the administration alternatively of oxidising and reducing agents. Salvarsan and neo-salvarsan were, as is well known, German products, supplies of which to this country were completely cut off by the war. They are now manufactured in this country under the name of kharsivan and neo-kharsivan, also under the names of arsenobillon and nov-arsenobillon; more recently there have appeared diarsenol and neodiarsonol. Galy, tetraoxydiphosphamino-diarsenobenzenes—a French product—is said to be the safest arsenical body; and mention must not be omitted of Danysz's di-sodolualgol, a French arsenical compound containing antimony and silver.

The disadvantages of arsenical bodies are stated to be nervous recurrences, arsenical dermatitis, arsenical nephritis (albuminuria), arsenical jaundice, and acute yellow atrophy of the liver. McDonagh introduced, with a view to obviating these toxic symptoms, intramine, which is di-ortho-amino thiobenzene. The sulphur atom acts as a non-toxic reducing catalyst after the amino groups have become attached to the lipoid-globulin particles of the serum. More recently still he has introduced colloidal iodine, with notable success. As "oxidising" agents McDonagh uses metals in a colloidal state, mercury and manganese being most successfully employed. The treatment of syphilis may be said to be in a state of flux, and in view of the enormous importance of the subject not only to medicine and to pharmacy, not only to the whole nation, but to the whole world—in view, too, of the probability of important developments—the subject will be followed during the next few years with the closest attention by all interested in the scientific side of pharmacy. In the treatment of *ulcus molle* (soft sore) British bismuth subgallate and British bismuth tribromphenol replace the German proprietaries dermatol and xeroform; chronic soft sores and *ulcus molle* serpinosum, a complication formerly incurable, are now cured by intramine, injected and applied locally; while colloidal manganese is available to abort buboes, which formerly had to be incised.

In the treatment of gonorrhœa both colloidal manganese and colloidal intramine have been introduced and found invaluable in complications hitherto incurable. I wish particularly to draw attention to the fact that the new remedies, with the exception of a few which are French, are all British products.

The mention of colloidal metals, colloidal intramine and colloidal iodine, brings one to a subject which must be of intense interest to all scientific pharmacists: the whole subject of the mode of action of substances in the colloidal state—of the state of subdivision necessary for physiological action; for the difference between "solution" and "colloidal condition" is, of course, only a difference in degree of subdivision, a difference of degree in the size of the particles. The physiological testing of drugs and preparations does not appear to have made any signal advance of late, or to call for any special comment. Bacteriology, on the other hand, is growing yearly in importance, not only in diagnosis and in preventive medicine, but also in the treatment of disease. It is, I venture to think, a matter for congratulation that arrangements have been made for the teaching of microbiology at the Society's School at 17 Bloomsbury Square.

Mr. McDonagh, writing on the chemiotherapeutic treatment of gonorrhœa in the "British Medical Journal" (II, 1918, 31), refers to the use of pallamine, a colloidal preparation of palladium. Palladium, he writes, has the action of liberating the hydroxyl group (OH) from H.OH, and temporarily fixing the hydrogen group (H). Pallamine is employed before the use of colloidal manganese, because it acts much quicker in dissociating certain hydrogen and hydroxyl groups in the serum.—EDITOR.]

Bankruptcy Report.

Re Harry Saville Thorne, Selby, described as a chemist.—The debtor, who underwent his public examination at the York Bankruptcy Court on July 12, purchased the business of Mr. Hebdict, chemist, 5 Finkle Street, Selby, in 1916. He was examined by Mr. D. S. Mackay (Official Receiver) as to the conduct of his financial affairs. His statement had only reached the Official Receiver that morning, and Mr. Mackay said it was most unsatisfactory. The debtor had done nothing that he had been asked to do, and was not trying to give information. The debtor said that after he purchased the business he was not allowed to use his own name, and had to carry on the business in the name of Mr. Hebdict. He incurred debts under Mr. Hebdict's name because he could not use his own until the agreement was completed. All his money had gone in the business. The Official Receiver said it was a most extraordinary thing, as the debtor had not shown him what he had done with anything. He had incurred debts to the amount of 1,070*l.* to fifty-six creditors in two years. The examination was adjourned to September.

THE LAYMAN says it is trench-fever—Mr. Atkins left it at his house. The district nurse says it is malaria—she has been in East Africa. The man in the street says it is the flu—he has had some. The M.O.H. says "take to your bed." Your medical man says he does not know what it is—he has got it.

Legal Reports.

Workmen's Compensation Act.—Judgment was delivered at the Birmingham County Court, on July 10, in an action brought by Cornelius Heggie, on behalf of his son, Hector Cornelius Heggie, Erdington, against Kynochs, Ltd., the hearing of which had occupied three sittings of the Court. The case arose out of an accident in Kynochs' laboratory, the young man, by mistake, pouring alcohol into a beaker containing mercury and nitric acid, in the course of making fulminate of mercury. An explosion resulted, and he lost the sight of the left eye. His Honour said that at the time of the explosion applicant's employment was that of analysing copper, for which purpose the alcohol was not needed at all. It was clear from applicant's own admission that he was well aware of the danger of manufacturing fulminate of mercury. His Honour, in dismissing the application, said he was driven to the conclusion that the experiment which Heggie was making was for his own purposes only, and was outside the sphere of his employment, and in defiance of the regulations at the respondents' establishment.

War Bonus or Loan?—In the City of London Court, on July 15, before his Honour Judge Atherley-Jones, K.C., Joseph M. Saunders, bookkeeper, claimed 16*l.* 13*s.* 4*d.* against Edward A. Franks & Gandar, colonial produce brokers, 40 Mincing Lane, London, E.C., as damages for dismissal without notice. Plaintiff said he was engaged by the defendants as a bookkeeper in March 1916 at 16*l.* a year. Soon afterwards he pointed out that he could not live on it, and while the defendants refused an increase of salary they gave him a war bonus of 10*l.* in November, and subsequently another 5*l.* Later on they gave him a further 10*l.* In June 1917 he gave a month's notice and left, because the salary was inadequate. Before he left defendants told him they would give him 200*l.* a year. He worked for another firm for eleven days, and then came back to the defendants at 200*l.* a year. In May of this year he had to leave owing to ill-health, and then defendants sought to deduct the last 10*l.* bonus and a week's salary. He was offered 2*l.* 16*s.* 5*d.* instead of 16*l.* 13*s.* 4*d.*, and he refused it. Mr. J. W. G. Dower, one of the defendants, said that the first 10*l.* and the 5*l.* were gifts, given voluntarily, because the price of food had risen. The other 10*l.* was a loan. Judge Atherley-Jones said that the plaintiff was entitled to at least a month's notice. War bonuses are a prudent way of increasing pay without increasing salaries permanently. He held that the 10*l.* was a war bonus, and was therefore not re-payable. Judgment for the plaintiff for 12*l.* 16*s.* 5*d.*, and costs.

A Chemist's Side-line.—In the City of London Court, on July 16, before his Honour Judge Rentoul, K.C., James Murray & Co., Ltd., glass, china and earthenware factors, 24 Bartlett's Buildings, Holborn, London, E.C., made a claim for 17*l.* 17*s.* 1*d.* against Mr. George McL. Wilson, chemist and glass and china dealer, 20 Chapel Street, Islington, for china and glass goods supplied. Mr. Zabell, plaintiffs' solicitor, said the defence was that the china and glass supplied were not seconds at all but something worse than that. The claim was for what was known in the china and glass trade as "seconds," which meant goods not of the best quality. Defendant was a chemist, and as a side-line he sold china and glass. Defendant told the Court that he did not dispute having given the order, but the goods supplied were useless to him. If the goods had been equal to what everybody in the china and glass trade knew to be seconds the price charged was all right, and he would have kept them. He complained of them immediately he received and unpacked them. Then he offered to return the whole of the goods to the plaintiffs, but they refused to have any of them back. Judge Rentoul: What will you give them to take them back? Defendant said he had paid the carriage from Staffordshire. He did not think he should be asked to pay any more. Judge Rentoul thought it would be wise of the parties to settle the case. After further argument judgment was given for the plaintiffs, with costs. Defendant asked for time to pay, as he would make a big loss on the transaction. An order was made for payment of 5*l.* a month.

Action against the British Medical Association.—On July 15, in the King's Bench Division, before Mr. Justice McCardie, an action was commenced arising out of a dispute between the British Medical Association and some doctors associated with the Coventry Provident Dispensary. Drs. Ernest Camden Pratt, David Holmes, Andrew St. Lawrence Burke, and Charles Hodge Cairns, of Coventry, claim damages for an alleged conspiracy, libel, and slander against the British Medical Association, and also against Drs. Wm. H. Lowman, W. J. Pickup, John Orton, and

Thos. Webb Fowler. Defendants denied the slander and conspiracy, and pleaded that the libels were privileged. Mr. Schwabe, K.C., and Sir Hugh Fraser were for the plaintiffs; Mr. McCall, K.C., Mr. Hollis Walker, K.C., and Mr. A. Neilson were for the defendants. In opening the case Mr. Schwabe explained that since the action was commenced Dr. Cairns, one of the plaintiffs, had died. The action had arisen respecting the control of the Coventry Provident Dispensary, which was established in 1831. The institution was started with a view of encouraging thrift, and to give an opportunity of working people obtaining medical attendance through their own efforts instead of by charity. There was in 1907 a fresh institution started by five of the doctors who had left the Provident Dispensary, and this was called the New Dispensary. This resulted in the old members of the staff of the Provident Dispensary being ostracised by the British Medical Association. The effect of this was that the plaintiffs were prevented having the assistance of consultants, and the ostracism was social as well as professional. The matter had been before the Courts during the last three years. When it was before the Lord Chief Justice on the last occasion his Lordship said there could only be a postponement on condition that the ostracism was withdrawn in the meanwhile. This was done, and the ostracism was now temporarily suspended. There was no charge of professional misconduct against the plaintiffs in the defendants' pleadings. The case is proceeding.

Soap Contract.—In the King's Bench Division on July 12, Mr. Justice Rowlatt heard an action in which P. Wauters and F. M. Wilmotte, Lime Street, London, E.C., claimed damages for an alleged breach of contract for the supply of soap against the Association International d'Agencies, Ltd., Mincing Lane, E.C. Defendants admitted that there had been non-delivery, and alleged that they had been prevented from fulfilling the contract owing to the restrictions imposed by the Defence of the Realm Regulations. Mr. Gregory, K.C., for the plaintiffs, explained that in October 1917 contracts were made by defendants, who were merchants, and not manufacturers, for the supply of 50 tons of London soap at 39*l.* per ton, delivered at a weekly minimum of 5 tons. There was a second contract for 50 tons of pale yellow soap at 43*l.* f.o.b. Defendants failed to supply the full amount of soap ordered, and plaintiffs were compelled to buy in the market against them. A defence had been made that defendants were prevented from supplying the soap owing to the regulations made under the Defence of the Realm Act. These regulations referred to manufacturers, and not to the dealers. When the contract was broken plaintiffs went into the market and bought without the slightest difficulty. Defendants could have purchased soap; it was only a question of price. Mr. Mackinnon, K.C., for defendants, stated that after this contract was entered into defendants made contracts with manufacturers. A difficulty arose owing to defendants being unable to obtain soap from the manufacturers. The reason the manufacturers could not deliver was because of the increasing pressure of the Government Orders issued under the Defence of the Realm Regulations. Mr. Justice Rowlatt found that defendants had failed to establish their defence, and awarded plaintiffs 993*l.* damages, with costs.

New Companies.

ALDERLEY COPPER LTD. (P.C.).—Capital 40,000*l.* Objects: To carry on business as miners, metallurgists, chemists, chemical manufacturers, etc. R.O., 1 Gresham House, London, E.C.

O'RYAN & Co., LTD. (P.C.).—Capital 100*l.* Objects: To carry on business as chemists and druggists. The subscribers are Margaret O'Ryan, Nell O'Ryan, and Peter Flynn, Brookville. R.O., 15 O'Brien Street, Tipperary.

I. W. NICHOLL, LTD. (P.C.).—Capital 10,000*l.* in 1*l.* shares. Objects: To acquire the business of a pharmaceutical chemist carried on by Isaac W. Nicholl at Belfast. The first directors are I. W. Nicholl and J. T. Nicholl. R.O., 25 High Street, Belfast.

DAVIES, SONS & Co. (DERBY), LTD. (P.C.).—Capital 10,000*l.* Objects: To carry on the business of manufacturing chemists and druggists recently carried on by W. Davies (now deceased) and W. A. Davies, at Derby, as "Davies, Sons & Co." R.O., 73-5 Bridge Street, Derby.

CELLON (MIDLANDS), LTD. (P.C.).—Capital 50,000*l.* in 1*l.* shares. Objects: To acquire part of the business carried on by Thomas Tyrer & Co., Ltd., Stratford, E., and at Cellon Works, Richmond, as manufacturers of aeroplane dope and varnishes for Cellon, Ltd., and part of the business of Cellon, Ltd., relating to the sale of the dope and varnishes, so manufactured. R.O., 22 Cork Street, London, W. 1.

Births.

AVES.—At 33 Bury New Road, Prestwich, on July 13, the wife of J. W. Aves, chemist and druggist, of a daughter.

BROWN.—At Hessele, on July 5, the wife of Harold E. Brown, chemist and druggist, of a daughter.

IDRIS.—At 21 Wickham Way, Beckenham, Kent, on July 12, the wife of Surgeon T. H. W. Idris, R.N. (son of Mr. T. H. W. Idris), of a son.

THOMPSON.—At 34 Manchester Road West, Little Hulton, on July 11, the wife of J. W. Thompson, chemist and druggist, of a son.

Marriages.

RATCLIFFE-CROSS.—At Cowley St. John Church, Oxford, on July 6, Private Allan Ratcliffe, A.S.C., youngest son of Mr. Joseph William Ratcliffe, chemist and druggist, to Constance Mary, only daughter of the late Mr. John Owen Cross, Princes Street, Oxford.

STONELAKE-WYATT.—At St. Peter-Port Parish Church, on June 30, by the Very Rev. J. Penfold, Dean of Guernsey, Cecil Stonelake, chemist and druggist, Guernsey, to Ethel May, youngest daughter of the late Thomas John Wyatt, Brock Road, Guernsey.

Deaths.

CRITCHLEY.—At Simmons Street, Blackburn, on July 16, Mr. Thomas Critchley, J.P., chemist and druggist, aged eighty-three. Mr. Critchley's career in pharmacy began in 1850, when he entered his uncle's employ. He commenced business for himself in 1863, and in 1876 introduced the starch-gloss with which his name has since been identified. His son, Mr. C. A. Critchley, Ph.C., was subsequently taken into partnership, and the chemist's business was continued separately as C. A. Critchley & Co. Mr. Thomas Critchley remained associated with the businesses, and would have completed fifty-five years of business life on August 15. He was the first President of the North-East Lancashire Chemists' Association, retiring in 1903. In 1896 he was elected as a member of the Blackburn Town Council, and in 1904 was



MR. T. CRITCHLEY.

appointed a Justice of the Peace. A life governor of the Blackburn and East Lancashire Royal Infirmary, he in 1915 contributed 1,000*l.* for the endowment of a bed in that institution. He leaves a widow, two sons, and a daughter. An account of Mr. Critchley's early career appeared in THE CHEMIST AND DRUGGIST, I., 1901, p. 418.

GREGORY.—At 4 Spring Street, Stockton-on-Tees, on July 2, Mr. Edward Gregory, chemist and druggist, aged thirty-seven.

JOHNSON.—Recently, Mr. George Frederick Johnson, chemist and druggist, 103 High Street, Aldershot, aged ninety-two. Mr. Johnson, who had been associated with Aldershot for about fifty years, maintained an active interest in his business to the last.

PENMAN.—At the Royal Alexandra Infirmary, Paisley, on July 3, Mr. David Penman, chemist and druggist, aged forty-two.

TOWNSEND.—At 2 Mount Radford Crescent, Exeter, on July 7, Mary Ann, widow of the late Mr. James Townsend (founder of James Townsend & Sons, medical-label printers, Exeter and London), aged seventy-two.

TURNER.—At Eastfield Road, Peterborough, on July 8, Mr. Reuben Panter Turner, chemist and druggist, aged ninety-eight. Mr. Turner carried on business for many years at 30 Cowgate, Peterborough, and on his retirement was succeeded by his son, Mr. G. R. Turner.

VERNON.—At Beckenham, on July 4, Mr. William Henry Vernon, Ph.C., 13 Beverley Road, Anerley, London, S.E. 20, aged sixty-five.

WOKES.—Recently, Mr. George Wokes, auctioneer, Hull, aged eighty-eight. Mr. Wokes began business as a chemist in 1854, and after twenty-five years established himself as an auctioneer. He took an active interest in public affairs.

Died on Service.

HAWARD.—Second-Lieutenant H. W. Haward, Bedfordshire Regiment, died in France on July 1 of wounds received in a successful attack on June 30. Second-Lieutenant Haward, who was the only son of Mr. E. Haward, chemist and druggist, Littlehampton, came over from Canada on the outbreak of war, and subsequently took part in the Somme advance. He received his commission in June 1917.

JONES.—Sergeant Arthur Llewellyn Jones, Royal Welsh Fusiliers, has been killed on active service while gallantly assisting wounded comrades. Sergeant Jones passed the Qualifying examination in 1904, and subsequently resided in Manchester and Liverpool, where he was well known in Masonic circles. He had served in the South African campaign, and re-enlisted on the outbreak of the present war.

STENTON.—Private Joseph Stenton, West Riding Regiment, was killed in action on June 13. Prior to joining the Army Private Stenton was with the Cleckheaton Chemical Co., Ltd., Westgate, Cleckheaton.

SUTTLE.—Air-Mechanic H. Suttle has been accidentally killed on service while flying. Air-Mechanic Suttle was the son of Mr. James Herbert Suttle, chemist and druggist, Sheffield.

WALSH.—Lance-Corporal Andrew Joseph Walsh, South Lancashire Regiment, has been killed on service. In civil life Lance-Corporal Walsh was with Joseph Crosfield & Sons, Ltd., Warrington.

Personalities.

MR. DAVID R. HUGHES, with Milling & Johnsons, chemists, Chester, has gained the Midsummer scholarship awarded by the Chester and North Wales College of Pharmacy.

At a MEETING of the Kent Insurance Committee at Maidstone on July 10, Mr. J. E. French, chemist-optician, Sittingbourne, was appointed Vice-Chairman of the Sanatorium Benefit Committee.

THE PHOTOGRAPH of Mr. Wm. Kirkby, M.Sc., which was published in the *C. & D.* last week (p. 39), was an "at home" portrait taken by Mr. John Cleworth, chemist-photographer, Manchester.

MR. ERNEST SANGER, L.C.C., formed one of a deputation from the London County Council which presented an address of congratulation to the King and Queen at Buckingham Palace on the occasion of their Majesties' silver wedding.

MR. R. C. WREN, J.P., F.L.S., chemist and druggist (Potter & Clarke, Ltd.), was made Provincial Grand Junior Deacon at the meeting of Essex Provincial Grand Lodge, held on June 10, at Freemason's Hall, London, W.C. Lord Lambourne, P.G. Master, presided.

More Drug Scarcity.

[MR. C. A. HILL's references in his Presidential address before the British Pharmaceutical Conference to the growing scarcity of many drugs has brought the following "report" from an Army officer, who notices that Mr. Hill "passed over in silence the remarkable scarcity of the most important drugs needed to carry on the war."]

The annual meeting of the Mess Committee of the 95 Ell Borasers was held yesterday. The President, Mr. Lapitap, called attention to the supply of alcohol in war time, and made the following report:

WISKI.—Supplies have fallen off to an alarming degree, and it is becoming increasingly difficult to carry on the campaign on the — Front.

GINUN BITERS.—Becoming very rare; the failure of recent crops is attributed to the activity of hostile submarines in the vicinity of —. A remarkable falling off in the appetite of the General Staff is causing great anxiety to the Medical Services.

ARFAB EER.—Although still obtainable at greatly enhanced prices, the falling off in quality is seriously affecting the morale of the troops.

SHAN DIGAF.—Stocks very low; fresh supplies urgently needed to alleviate the sufferings of the Staff in this hot weather.

NECOLL.—All grades of this commodity are scarce; nasty grinding noises in Staff Officers are becoming very prevalent.

GINI SISTROUT.—No supplies in sight; believed to have been held up by Sinn Feiners with a view to bringing about an early peace.

BASSI SALE.—Occasionally found in small quantities in Kantine, but supply is not equal to 100th part of the demand.

BENI DICTIN.—Isolated pockets are found in Loot.

PAW TWIN.—Supplies are so short that all R.A.M.C. Officers are instructed not to prescribe more than 3 glasses after dinner, unless the patient is in imminent danger of collapse.

SHER IWYN.—Only found in A mess. Alarming number of cases of faintness at 11 A.M. are attributed to restrictions in the issue of this drug.

The meeting broke up in disorder on hearing the alarming conditions prevailing, and sent out strong patrols all over the country to secure identifications.

The Decomposition of Solutions of Hydrocyanic Acid.

By W. Lewcock, B.Sc.

Abstract of a Paper contributed to the British Pharmaceutical Conference.

THE author has endeavoured to account for the decomposition which takes place in solution of hydrocyanic acid on keeping, and has studied the influence of various reagents on the solution. It was found that solution of constituents of the glass bottles in which hydrocyanic acid is stored is the chief reason why the acid cannot be kept indefinitely. Mineral acid preserves solutions of hydrocyanic acid, and if 10 per cent. of sulphuric acid, calculated on the weight of HCN, could be added the solutions would, for practical purposes, keep indefinitely. The following table gives the results of the tests made by the author, column C being the time before the appearance of the yellow colour indicating decomposition. The method of testing consisted in sealing up together the acid, a definite amount of powdered glass, and some third constituent added with a view of preserving the acid. The following results were thus obtained:

A	B	C
Amount of HCN used.	Made up with 5 c.c. of	
(1) 5 c.c. 8 per cent. acid	Distilled water	2 days.
(2) " "	Absolute alcohol	2 days.
(3) " "	Dilute H ₂ SO ₄ (1 per cent. on HCN)	23 days.
(4) " "	Tartaric acid solution (acid equivalent half that of the H ₂ SO ₄ in Experiment 3)	12 days.
(5) " "	Water saturated with CO ₂	13 days.
(6) " "	Tartaric acid solution 0.01 gm. in 5 c.c.	Unaffected after 4 months.
(7) 5 c.c. 4 per cent. acid	50 per cent. glycerin	2 weeks.
(8) " "	Distilled water	2 weeks.
(9) " "	20 per cent. solution of mannitol	13 days.

In each case 0.5 gram of ground glass was added, and the sample shaken from day to day. It appears from results (5) and (2) that carbon dioxide has considerable preservative influence on the acid, while absolute alcohol has none. It has been stated by Williamson that prussic acid containing 20 per cent. of glycerin keeps indefinitely; but no glycerin being available at the time, it was thought possible that such a compound as tartaric acid might prove useful, as it is both acidic and of similar structure to glycerin. It is evident, however, that the preservative influence of tartaric acid depends entirely upon its acidity. Later, when some glycerin was obtained, it was possible to test the statement of Williamson, which, if true, would indicate the possible formation of a compound, just as boric acid forms compounds with glycerin and mannitol; but whereas the addition of glycerin increases the acidity of boric acid, such is not the case with hydrocyanic acid; and experiments (7), (8), (9) above show finally that neither glycerin nor mannitol has any influence in preserving the acid. The only alternatives to the use of some such acid preservative as is suggested above would appear to be the use of some vessel from which water does not dissolve alkali, or the use of a glass vessel coated inside with some suitable neutral material.

Trade Notes.

CUPAL, LTD., Blackburn, will be closed for the local annual holidays on Saturday, July 20, to Monday, July 29.

SATURDAY CLOSING.—J. T. Davenport, Ltd., 117 Union Street, London, S.E., will close their establishment on the Saturdays during July and August.

THE TELEGRAPHIC ADDRESS of Arthur Berton, Ltd., 15 and 17 Worship Street, London, E.C. 2, has been changed, and is now "Aybelim, Finsquare, London."

"E. T." CORDIALS.—Emanuel Thomas & Son, Niagara Works, Swansea, in our advertisement pages offer the "E. T." brand of sweetened fruit syrups and cordials. The hot weather and the scarcity of sweetened beverages makes the offer attractive.

PIERSON, MORRELL & Co., LTD., aspirin-manufacturers, have moved into larger premises at Barnet, where they have erected a model factory replete with every modern scientific equipment. The company is now in a position to give prompt delivery of aspirin and salicylic acid.

CASSELL'S TABLETS.—It appears that the advertisement last week of the Veno Drug Co., Ltd., Veno Buildings, Manchester, was inserted in error before the company was in

the position to meet the demands for Dr. Cassell's tablets. The announcement brought a shoal of orders, and we are asked to state that customers should exercise a little patience, as the supplies are being distributed in a manner that will meet the wishes of the many hundreds of customers who are clamouring for Dr. Cassell's tablets.

BRANDED GOODS.—Ayrton, Saunders & Co., Ltd., Liverpool, ask us to point out that they can reserve the "Star," "Mortar," or the "Anchor" label to one chemist for his district, but they cannot reserve two of these styles to one man.

"STANDARD" PRICE-LIST.—Mr. Charles Philip, dispensing chemist, 23 High Street, Herne Bay, re-prints in the July issue of his "Standard" retail-price list the percentage table which first appeared in the "Chemists' Pricing Guide." This is a happy coincidence in view of the interest raised in the question by Mr. Humphrey's paper on "Profit, Percentages, and Discounts." Mr. Philip's table is a short-cut method of calculating various percentages. The "Standard" list is still growing in size and utility.

FRUIT-BOTTLING OUTFITS.—Geo. Fowler, Lea & Co., Ltd., 72 Queen's Road, Reading, specialise in outfits for bottling fruit, vegetables, etc. The company supply three standard outfits, each consisting of steriliser, thermometer, bottles, etc., selling at 20s., 35s., and 50s. The season is rather far advanced, but several chemists who have taken up the agency for these outfits have found it profitable, and that customers are satisfied. The outfits are sold on agency principles (no stock being carried), but those who exhibit one or more of the outfits are certain to interest customers.

BRITISH AMIDOL.—The White Band Manufacturing Co., Ltd., Progress Works, South Croydon, send us a sample of British-made amidol which they are selling. Great care has been taken in the manufacture, so that a whiter product is obtained than the kind of German make formerly sold in this country. The grey colour of the German product was due to an impurity, and the removal of this in the British chemical has resulted in the production of a more stable article. The "White Band" amidol is in fine crystals, and dissolves readily. The company inform us that they intend presently changing the name of their product to "Dionet."

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

128/49 "Finella" dog-cure.	122/11 Gold pencil for gilding teeth, made by "Harding, London."
123/23 "Lister" purifying water bag.	130/14 Optuna tablets.
118/3 Iodocaine.	

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

Allen's (Mrs.) hair-restorer, 123/35	"Rubic" safety-razor, 28/70
"Antiphlogistine," 125/22	"Ruby" dog-medicines, 72/50
Barton's "Dentifricum," 124/42	"Ruscol" ointment, 11/72
Belloo's eharecoal, 116/7	Ruspini's styptic, 86/52
Blensan capsules, 60/45 and 112/15	Safety razors, 105/44
Bliss's native herbs, 104/13	"Sanitol" face cream, 113/31
"Borine," 94/33	Santal Midy, 117/71
"Dorin" face-powder, agents, 76/732 and 144/5	"Secretogen," 100/11
"Eclipse" douches, 103/1	"Solurot," 48/7
Garfield's tea, 119/31	"Solvettes," 101/14
Gayetty's toilet-paper, 80/47	Southall's mosquito cones, 76/739
Glass wool, 92/53	"Sozodont," 111/20
"Gomenol," 112/17	"Stannoxyl" tablets, 104/13
Grimault's syrup, 117/71 and 124/39	Stephenson's floor-polish, 58/57 and 6/58
Lalor's phosphodyne, 123/35	Tinker's dog-mixture, 76/73
Loofah socks, 104/53	Tiz, 57/44
"Luckstone," 80/50	"Toinoco" handkerchiefs, 182/50
Marshall's cigarettes, 90/10	Towle's chlorodyne, 1/42 and 51/52
"Marvel" whirling spray, 107/51	Toxol, 1/28
Oiled silk, 46/5	Triglandin tablets, 64/21
"Omnozon" specialties, 72/50	Typewriters, repairing, 68/14
"Orela," 93/18	"Urilac," 76/731
"Oxydettes," 56/1	Valentine's walnut-stain, 76/735
"Oxydol," 74/71	Vapex, 62/62
"Ozerine," 76/736	Weighing and wrapping machinery, 40/4 and 42/8
"Pulmoserum," 92/52	Welbank's boilerette, 7/61 and 42/44
Quinine and cinchona tablets, 117/17	Wren's boot-polish, 95/71
	Yeast, 73/26

Observations and Reflections.

By Xrayser II.

Mr. C. A. Hill's Address

to the Pharmaceutical Conference was strictly utilitarian in character and subject, and was a very fitting pendant to his address of last year. It is reassuring to find after four years of war that although some drugs have become embarrassingly scarce and a few quite unobtainable, we are as regards the more important ones fairly well off still, and in comparison with enemy and some neutral countries even remarkably so. Such newspaper comments on the address as I have seen are decidedly flippant in tone; the rationing of drugs is jocosely anticipated, and the question, Will life be worth living without *asafetida*? is gravely asked. Evidently the public has not yet suffered much from the scarcity, and though I have seen a queue or two outside chemists' shops they were due to the prevalent influenza, not to a rush for any particular medicine.

The Public Policy Council

which Mr. Hill would have the Pharmaceutical Society set up would apparently, to fulfil the purpose he has in view, have to be a joint affair, appointed not by the Society alone, but by the Society and some body representing the wholesale drug-trade. The suggestion is a good one if it is feasible, but it is not quite on all-fours with what I understand Mr. Hill to say is being done by various chemical Societies. There is a difference of some importance between the co-operation of learned Societies and the co-operation of such a Society as ours (I modestly omit the adjective here) and a body of tradesmen or manufacturers. I do not say their interests are not common, but unless our Society consented to be taken purely as a trading body they would hardly be on equal terms. Would the Society's *amour propre* be hurt by such a proposal? I do not see why it should, but, as the American gentleman said to Martin Chuzzlewit, "We air a great people, and our backs are easy riz."

Speaking of the Scarcity of Drugs,

I was surprised and sorry, during a recent visit to a neighbourhood in which poppies and linseed were formerly grown, to find not a single acre of either. I looked in vain, too, for the so-called meadow saffron, which though it was not grown for profit here flourished as a wild flower. The fields it used to make gay every autumn were all under wheat. Mustard also has disappeared from the neighbourhood, where within my memory it was extensively cultivated. Just now we can think only in wheat and potatoes, but some of these necessary plants—poppies particularly, which can be grown in small plots where wheat is hardly worth while—are worth the attention of any country pharmacist who has or can rent a few roods of land. There is, as Mr. Hill said, no foreign competition to fear now, and even if there were, Belgian capsules are never so well liked as our English ones. Poppies require a good soil, but except that the ground should be kept clean while the plants are young, they are no trouble, and they pay remarkably well.

The Notes of Mr. Humphrey's Lecture

on Profit, Percentages, and Discounts, delivered at the Progressive Pharmacy Club, though for the most part admirably lucid, make rather hard reading, and some amount of study is necessary to their full comprehension. There is one point on which there is an apparent inconsistency. In dealing with the question whether in estimating cost the proprietor's own services should be taken into account, Mr. Humphrey says that the Income Tax Commissioners decline to recognise anything of the kind; they regard the proprietor's living expenses as part of his profits. It is true they allow an abatement of 120% on small incomes, and Mr. Humphrey argues that this sum may therefore be reasonably deducted from what a business returns before it can be said that there is any profit from it.

But surely there is a fallacy here. It is not our profits but our incomes that are taxed, and the allowance has no connection whatever with a proprietor's services or living expenses, since it is made on unearned as well as on earned incomes. The inference Mr. Humphrey draws is thus seen to be without warrant, and further on he virtually abandons it and adopts the Commissioners' view that all earnings are income and all income from business profit, a conclusion to which his own analogy between an assistant's and a proprietor's earnings also points; he says that the first use of profits is to provide the means of livelihood, and speaks of everything beyond that as "surplus profits"—certainly the soundest view. The difficulty of estimating "the entire supplementary cost" (of which personal service is a part), and of adding the right proportion of this to the selling-price of each article, is not sufficiently insisted upon in the lecture, which tends to make it appear more simple than it is. This difficulty is increased by any attempt to draw a hard-and-fast line showing where "surplus profits" begin. What Mr. Humphrey calls "the barest necessities (necessaries) of life" vary in the estimation of different people, and the price of an article cannot always be fixed equitably by reference to the rate at which one has—or thinks one has—to live.

Society of Chemical Industry.

THE annual meeting was held at Bristol on July 17, and was followed by a Conference on the two next days, at which papers were read and discussed. The President, Professor Henry Louis, D.Sc., was in the chair, and the Society was welcomed by the Lord Mayor (Alderman W. J. Sheppard) and the Vice-Chancellor of the University (Sir Isambard Owen). Following the President's address, the

REPORT OF COUNCIL

was presented. This stated that the number of members is now 4,825, against 4,429 last year. Reference was made to the members who had died during the year, particular mention being made of Mr. Thos. Tyrer and Mr. C. G. Cresswell. Mr. D. Lloyd Howard was appointed Hon. Treasurer in succession to the late Mr. Tyrer. Two new sections have been formed during the year—the Bristol and the Canadian-Pacific Sections—and the New England Section has been dissolved, the members being taken over by the New York Section. It is suggested that a technological library be established in the Society's rooms as a memorial to the late Mr. Tyrer. The Council has awarded the Society's medal to Sir James Dewar, F.R.S., in recognition of the conspicuous services which by his research work in both pure and applied science he has rendered to chemical industry. The Society has decided to take into its own hands the publishing and advertising arrangements of the "Journal." The new "Review" section of the "Journal" has been highly appreciated, and this part is to be the official organ of the Association of British Chemical Manufacturers. Awards from the Cross and Began Prize Fund have been made for two essays sent in for competition. It has been agreed with the Chemical Society that the abstracts in the "Journal of the Society of Chemical Industry" should be restricted to applied chemistry. The Council agree that it is desirable to publish a chemical bibliography in English in co-operation with the American Chemical Societies.

The report was adopted.

THE TREASURER'S REPORT,

which was presented by Mr. D. Lloyd Howard, showed that the income of the Society during 1917 was 9,312*l.* 13*s.* 3*d.*, including entrance-fees 538*l.* 13*s.*, life composition fees 182*l.* 12*s.* 3*d.*, annual subscriptions 5,264*l.* 0*s.* 4*d.*, dividends 628*l.* 19*s.* 3*d.*, "Journal" advertisements and sales 2,526*l.* 15*s.* 1*d.*. The expenditure included "Journal" expenses 5,240*l.* 17*s.*, "Annual Report on Applied Chemistry" 136*l.* 10*s.* 9*d.*, sectional expenses 892*l.* 5*s.* 3*d.*, working expenses 1,608*l.* 8*s.* 6*d.*, annual meeting expenses 163*l.* 7*s.* 2*d.*, superannuation allowances 615*l.*. The excess of income over expenditure was 556*l.* 4*s.* 7*d.*

The report was received and adopted.

OFFICERS ELECTED.

Professor Henry Louis was re-elected *President*; Dr. E. F. Armstrong, Professor W. R. Hodgkinson, Mr. R. L. Mond, and Mr. W. F. Reid, *Vice-Presidents*; Mr. D. Lloyd Howard, *Treasurer*; and Dr. R. Messel, F.R.S., *Foreign Secretary*.

In the afternoon a discussion took place on co-partnership and industrial efficiency.



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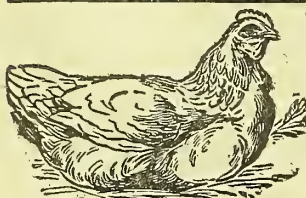
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Editorial Articles.

The Organisation Report.

It was decided at the last Council-meeting of the Pharmaceutical Society to send the report of the Committee on Organisation to the Executive of the North British Branch with a request that it be taken into consideration and any observations of the Executive thereon be forwarded for the information of the councillors at the October meeting. Further than this, on the suggestion of Mr. Rowsell the Council agreed to send the report for discussion by the Local Associations in England and Wales, but would not adopt the logical sequence that an epitome of the evidence upon which the report is based be sent at the same time. The origin of the report may be recalled. At the end of 1916 the Local Associations Executive discussed the question of improving the organisation of the Pharmaceutical Society and particularly a scheme submitted by Mr. S. F. Body, and at the meeting in February 1917 the Local Executive Committee requested the Council to appoint a Committee to consider and report as to what changes in the pharmaceutical organisation in Great Britain could be made with advantage to pharmacy, and what steps would be necessary to bring about such changes. The Council adopted the suggestion, and a Committee was set up, consisting of the President (Mr. E. White), the Vice-President (Mr. E. T. Neathercoat), and Messrs. S. F. Body, W. L. Currie, J. W. Deakin, A. H. Jenkin, Leo Joseph, J. Keall, P. F. Rowsell, and F. P. Sargeant, with the Secretary (at that time Mr. Woolcock) and the Assistant Secretary (Mr. Chater). The Committee is believed to have heard the evidence of representative pharmacists from various parts of the country, and also to have considered suggestions from different Associations. Nothing was heard of the Committee for a long time, but early this year it was stated that the report was ready for discussion by the Council, and there seems to have been some idea of bringing it out before the Council election with a view of influencing the voting. The officials, however, developed a curious reticence, which has been generally interpreted as a fear that if the electorate saw the report it would spoil the chances of the return of the official candidates. We gather from remarks made at the Council-meeting this month that the Council has not yet discussed the report, so that the local Associations will not receive any guidance in the consideration they may give to the report. Further, as the Associations will not have had the advantage of knowing the nature of the evidence upon which the report is based the discussions must of necessity be of a barren character. There is some evidence from public remarks made by the officials of the Society that it is intended to reconstitute the Local Associations Executive, but we do not know whether this is in the direction of making the Executive's position correspond with the legal obligations under which the Society is carried on or to provide that all the members of the Executive shall be elected by the panel chemists, who not only pay the expenses of the Local Executive Committee, but give to the Society for nothing the services of the officer whose salary panel chemists pay. It is something that the anomalous position of the Committee has been recognised, and whatever are the recommendations in this respect we hope the local Associations will not lose sight of the fact that a large sum of money contributed by panel chemists is utilised by the Committee for purposes which have nothing to do with the checking of Insurance-prescription pricing. Those members of the Society who are not panel chemists are receiving from panel chemists a considerable contribution towards the

expenses of the Society, which, however, so long as the panel chemists do not object, is immaterial. But we hold that panel chemists should have the credit for the money they contribute in this way. We believe Mr. Body had in his scheme a plan for separating the statutory duties and the trade interests of the Society, and other suggestions have included the setting-up of a Pharmacy Board to administer the Pharmacy Act as distinct from the social and trade activities of the Pharmaceutical Society. The unsettled question of territorial representation which has been before the country for many years is sure to have found advocates, but here the difficulty is to bring about such a change without a revision of the laws or by-laws under which the Society works. The experience of the Society in the ill-starred efforts to revise the by-laws, so as to satisfy the late President's desire "to do something" before retiring from the Presidential chair, has probably cured the Council of ambitions in that direction for the present. The Organisation Committee has been a long time considering the matter for which it was set up, but local Associations should not on that account fall into the error of expecting a report that embodies any conclusions that will strike the members of the Associations as epoch-making.

Practical Propaganda.

SEVERAL circumstances have shown recently that the nature of the duties performed by chemists is not always sufficiently appreciated by those in authority. Some of the Government Departments are not above reproach, but at the present time the difficulty is particularly felt in dealing with Military Tribunals. A correspondent (*C. & D.*, July 13, p. 51) called attention to a remark by "Xrayser II." regarding the ignorance displayed by Tribunals as to the conditions under which the chemist carries on business, and other communications which we have received have substantiated these views. It has since been suggested to us that a copy of the Editor's pamphlet, "Statutory Restrictions on the Sale of Poisons," would carry out a useful educational function if sent to the Clerks of Insurance Committees, as it would supply those officials who need it with an additional argument as to the indispensableness of chemists not only for carrying out Insurance dispensing, but for the supply of drugs and medical requisites. Accordingly copies were sent to the Clerks of Insurance Committees in England and Wales, accompanied by a letter of which the following is the main portion:

In connection with the exemption of chemists from military service, there appears to be difficulty in some areas in conveying to the various authorities with which your Committee has to deal an adequate idea of the serious depletion that has taken place in the ranks of pharmacy. This seems in many districts to have reached a stage when the pharmaceutical service required for National Health Insurance purposes is endangered, and this in itself indicates a stage beyond that when an efficient service for the dispensing of ordinary prescriptions and the supply of household medicines and surgical appliances can be maintained. Local officials of the Ministry of National Service and of the Tribunals do not always realise that the business of a chemist is carried on under numerous statutory restrictions designed to prevent accidental and criminal poisonings, and it has been suggested to us that a copy of the enclosed pamphlet dealing with the question would be useful to you as showing the scope of the responsibilities to which we have referred. This will help to emphasise the point, if it is necessary, that under the various Acts of Parliament the sale and dispensing of poisons can only be carried out by qualified chemists.

At the same time we sent a copy of the pamphlet to the Secretaries of Pharmaceutical Committees, explaining what we had done in regard to the Clerks of Insurance Committees. We have since received evidence that our action has been appreciated and is likely to be helpful. The following are some of the letters we have received:

"Thanks very much for copy of 'Statutory Restrictions,' etc. Its acceptability is as great as its utility, which latter is immense."—(128/5.)

"I am obliged for your pamphlet on the sales of poisons. I have no doubt that it will be of exceptional educa-

tional value to most Clerks to Insurance Committees."—(128/28.)

"I am obliged for your pamphlet with regard to statutory restrictions on sale of poisons, etc., which will be very useful when discussing the indispensability of pharmacists."—(129/57.)

"I feel sure your action will be helpful. The information would be useful also to the Military Representative, but I expect he gets more literature than he can read."—(128/22.)

"I have to acknowledge the receipt of your letter of July 15, enclosing copy of 'Statutory Restrictions on the Sale of Poisons, etc.,' in Great Britain, the provisions of which will be borne in mind when considering the dispensing service for this area."—(130/10.)

"I believe that by circulating your 'Statutory Restrictions on the Sale of Poisons' to Clerks of Insurance Committees you have done some educative work that should prove of considerable value to us. It is all a matter of education, and we take so much for granted that is often quite incorrect. Insurance Committees are quite good if they are properly 'trained.'"—(16/7.)

"I thank you for the 'Statutory Restrictions on the Sale of Poisons' received this morning. Your idea of sending a copy to the Clerk of each Insurance Committee is excellent, as I doubt if any one of them had any idea of the difficulties every chemist has to contend with and the many Regulations and Orders he has to be conversant of, nor of the dangers to which the public is exposed should these be negligently enforced."—(128/33.)

"Without doubt the 'Statutory Restrictions on the Sale of Poisons' is the most comprehensive and useful booklet yet published on poisons from a pharmacist's point of view. The great and difficult task to-day is to be able to convince Insurance Committees that it needs trained men to carry on pharmacy; that it is not any man's job; and that the substitution dodge is a failure."—(128/14.)

"I am in receipt of your letter of July 15, enclosing statutory restrictions on the sale of poisons, etc. My Committee's experience has been that the Ministry of National Service and the local Tribunal do not realise the importance of a chemist's profession, and in many instances they do not understand that the business is carried on under numerous statutory restrictions. Your copy of restrictions, therefore, will be a very considerable help to my Committee. Please accept my best thanks."—(129/32.)

"I desire to thank you most cordially for your pamphlet, as it will be of considerable service to me in my negotiations concerning the exemption of chemists from military service. It will serve as an optical demonstration of the responsibility thrown upon chemists for the public safety, and at the same time show the absurdity of unduly depleting the ranks of pharmacy."—(129/6.)

We are aware that the sale and dispensing of poisons is only a portion of the business of a chemist and druggist, and often the smallest part; but we shall be glad to receive further suggestions for propaganda work which may help the trade at the present time.

The Future of Chemistry.

REFERENCE has been made by Mr. C. A. Hill to the address by Professor W. J. Pope at the annual meeting of the Chemical Society. The following is the suggestion that was made for the formation of a joint body which could speak on behalf of the Societies representing pure and applied chemistry:

We have in this country three large and long-established organisations devoted to various phases of chemical science: the Chemical Society, the Society of Chemical Industry, and the Institute of Chemistry. Is it too much to ask that these three representative bodies, with perhaps the newly-founded Association of British Chemical Manufacturers, and ultimately all the other cognate but more specialised interests, should set up a watchful and alert joint Council with directions to consider national questions in which any of the varied interests of chemistry are concerned, and to make such representations to our administrators as would voice the corporate view of the joint body?

Professor Pope also referred to the advantages which would accrue from a club on the model of the Chemists' Club in New York, which would provide opportunities for hospitality, meetings, etc., besides affording a means of centralising chemical organisations. We hear that there is a probability of a club-house for professional chemists being obtained within the next month or so, and this may assist in the scheme for a joint body being set up

representing professional chemists. We hope that Mr. Hill's suggestion for a similar body to represent all sections of the drug-trade will receive encouragement from the example of the Chemical Society.

Enemy Patents.

THE Government has decided to curtail the liberties which enemy aliens have enjoyed in this country in paying patent fees and in applying for patents. All patents issued to enemy subjects before the war are to be vested in the Public Trustee, who has had charge of all applications for patents which have been accepted from enemies since the outbreak of war. In future applications from enemy aliens for patents will not be received, thus putting a stop to the large traffic that has been carried on between patent agents in this country and enemy aliens. This announcement was made in the House of Commons after the comments were written that appeared in the last issue of the *C. & D.*, and this week the Board of Trade has revoked the general licences of December 7, 1915, and September 5, 1917, which permitted this form of enemy trading.

Formaldehyde Control.

ON page 33 we print the full text of the Army Council Order controlling the importation, manufacture, and sale of formaldehyde in this country. This Order was foreshadowed in the *C. & D.* several weeks ago, and differs in no material respect from what had been anticipated. Briefly, it places formaldehyde under strict Government control, all importations having to be licensed. The price in barrel lots has been fixed at 150*l.* per ton, to which figure there are various additions, according to the quantity. It is unlikely that licences will be granted to import, unless the chemical is urgently wanted for industrial purposes and the merchant and dealer are practically eliminated from the business. Formaldehyde was put to many industrial uses in this country, several of which were referred to in last week's *C. & D.* (p. 49), but it may safely be said supplies will not now be available for many of these purposes as the Government require as much as they can get for technical purposes of supreme necessity. A sacrifice has therefore to be made, but it would be more bearable if less loose methods were adopted by the Government Departments concerned, as by their lack of co-ordination they are frequently unable to size up their stocks, and in the past have made requisitions when not necessary, thus depriving users of their legitimate requirements.

Germany's Ally—Potash.

PROFESSOR DR. W. ROTH, of Greifswald, has written an article in the "Hamburgischer Correspondent" of May 8, under the title of "Potash, our Ally," in which he asserts that Germany has not suffered more from the restriction of imports than her enemies, England and France, who, owing to the U-boat campaign, have been obliged to regard agriculture as a war industry. Dr. Roth thinks we are both in a bad way, as we are forced to adopt a system of agriculture which exhausts the soil, and he proceeds to elaborate his argument by figures showing the diminution of the wheat crops in France from 1914 to 1917. "England," he says "appears somewhat more reticent about publishing figures, but, as a matter of fact, she is in the same plight." Somehow we seem to have a little more to eat in this country than Germany has, and have not yet invented a drug tablet to stave off hunger. This does not alter the fact that Germany has the potash, and the professor brags that we shall get no more. By the time the war is over we shall probably have completed our own arrangements for obtaining all the potash we need from other deposits, such as Italian Africa, Spain, the United States, Canada, etc. Potash, which has proved a good ally to Germany during the war, is likely to be wanted more than ever at the conclusion of peace, and Professor Roth concludes by declaring that it will be an excellent trump card for Germany when peace negotiations come to be discussed, as it will either mean that Germany's enemies will be unable to improve their harvests or that no counter-measures forbidding raw materials can be contemplated, for Germany controls the potash-supply. *Nous verrons.*

Japanese Chemical Exhibition.

By P. L. Smith.

SINCE the International Exposition, held in Osaka in 1903, a small exhibition has been held annually on the same site in Tennoji Park. Before the European war broke out the exhibits usually included several displays of foreign products in which local importers were interested. At the present time a chemical and industrial exhibition is being held, and the whole of the exhibits are apparently of domestic origin. A careful search revealed only one display of imported products; this was a stand showing aniline dyes made by a Swiss firm, and represented by Japanese agents. At the commencement of the European war the Japanese were faced with a serious shortage of chemicals and drugs, so there rapidly sprang into existence a number of chemical-manufacturing companies which, under certain conditions of carrying out research work were encouraged by Government support. A fee of 15 sen (approximately 4*d.*) is charged for entrance to the exhibition, and in spite of the fact that there are no side-shows or entertainments, there is a very large number of visitors. What is quickly noticed by the visitor from overseas is the scarcity of descriptive matter in any language but Japanese. A few exhibitors have their labels printed in English as well as Japanese, but they are in the minority. Of the minerals, copper is shown in all forms, and copper salts are shown on a large number of stands. Potash salts appear to be surprisingly plentiful, a good quantity of bichromates and ferrocyanide in large crystals making attractive exhibits. Sulphuric, hydrochloric, and nitric acids in commercial and pure grades are exhibited by several manufacturers, while red phosphorus, bleaching-powder, and calcium carbide are seen on many stands. The display of fine pharmaceutical chemicals is naturally small owing to the high cost of raw material, of which a great amount has to be imported. Several firms show salicylic acid and salicylates, a few also exhibiting good samples of aspirin and phenacetin. There is a surprising number of dyes exhibited, scarlets and blues predominating, with several samples of methyl violet and magenta. Many of the large stands are occupied by exhibits of soap, chemical apparatus, and fancy glass. A few proprietary medicines are to be seen, one of them, of the tonic variety, having a working model which attracts a good deal of attention. One soap exhibitor uses the whole of his space for a large model landscape, mountainous scenery showing Fujiyama in the background and a waterfall in the foreground, the waterfall effect being produced by a steady fall of soap lather. The largest exhibit is that of the Nippon Glycerin Co., who make the most of their space by having a complete toilet-soap plant working, as well as a good show of glycerin and fatty-acid soap stock. The milling-machine and plodder are watched with eager interest by numerous visitors, and the product stamped "Fatty acid soap" has a ready sale at 60 sen (approximately 1*s.* 3*d.*) per box. Although the soap exhibited is of average good quality, it seems that a really high-class soap, delicately perfumed, has yet to be made in Japan. The fancy glass exhibits are pleasing to the eye, the finely corrugated sheets of glass having the appearance of being backed with satin, and some of them decorated with floral designs, are made up into handsome screens. Exhibits of chemical apparatus mostly consist of acid and heat-proof porcelain ware and glass; there are also a few well-made balances. Kyoto firms appear to excel in the manufacture of this class of goods. As the exhibition is being held for a short period only there is no elaborate scheme of decoration. Foreign visitors unanimously agree that the Japanese would do well to keep to their own artistic style of decoration in preference to the present tendency to adorn show-places with plaster angels, cherubs, etc., as progress does not demand it. The general impression gained by a visit to the exhibition was that too many manufacturers had turned their attention to the same chemicals, there being a great deal of repetition of certain products, while the large field of organic chemistry was almost untouched. This is no doubt due to the difficulty of procuring raw material and suitable plant. Japan may well be regarded as a formidable commercial rival in the future, but not until her educational authorities realise that the cultivation of international sympathy is of greater advantage than the suppression of democratic ideas.

ITALIAN CHEMICAL ACTIVITIES.—A Committee on Industrial Chemistry has been appointed by the Italian Ministry of Industry, Commerce, and Works. A department has been created as an executive organ for all the deliberations of the Committee, to compile statistics, examine new processes, etc.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

IMPORTS AND EXPORTS BILL.

This Bill—our Parliamentary correspondent writes—will not be introduced before the adjournment, nor will any statement be possible on the economic policy of the Government, some aspects of which are still under review by the Imperial War Cabinet.

RESEARCH LABORATORY AT WEYBRIDGE.

Our Parliamentary correspondent states that Mr. Walter Runciman, M.P., is next week putting a question to the President of the Board of Agriculture as to the position of the Department's new laboratory at Weybridge. The right hon. gentleman is anxious to be informed whether any scientific investigations have been conducted there, and, generally, as to the progress and prospects of the scheme.

EDUCATION BILL.

During the discussion in the House of Commons on July 15 on the Education Bill, as amended, words were inserted at the end of Sub-section (9) of Section 10 (dealing with compulsory attendance at continuation schools), which require the local authority to arrange alternative instruction in place of any part of the instruction which may be contrary or offensive to the scholar's religious belief. The Bill was read a third time on July 16.

CHEMISTS IN MILITARY HOSPITALS.

On July 17, in the House of Commons, Mr. James Rowlands, M.P., asked the Financial Secretary to the War Office whether the revised rates of pay to chemists and dispensers in military hospitals, promised in March last, have been paid; what is the percentage of increase which has been granted; and how it compares with the increases given to civilian employés in the same hospitals. Mr. Forster replied that the increase has been paid, and amounts approximately to 15 per cent. On the whole it compares favourably with the bonus given to civilian employés.

Mr. Rowlands inquired whether the increase promised in March is to date back to January.—Mr. Forster: That is so.

ONE-MAN BUSINESSES.

Sir George Greenwood, on July 11, asked the Minister of National Service whether the Local Government Board Circular of December 17, 1917 (R. 167), is recognised by him as being still in force; whether he has instructed, and will continue to instruct, the National Service Representatives to observe and carry out the pledges and conditions therein contained with regard to one-man businesses; whether such instructions have been strictly adhered to up to the present time; and whether business hardship is still recognised as a ground of exemption in cases of sole proprietors of businesses who are in Grades 1 or 2, as specified in paragraph (c) of that Circular.

Sir A. Geddes replied that the answer to all parts of the question is in the affirmative.

SUBSISTENCE ALLOWANCES.

Mr. Glyn-Jones, on July 16, asked the Comptroller of the Household, as representing the National Health Insurance Commissioners, whether, before approving schemes under Section 31, Sub-section (1), of the National Insurance Act, 1913, as to the payment to members of Insurance Committees of compensation for loss of remunerative time in attending meetings of Insurance Committees, the Insurance Commissioners require such schemes to contain a provision limiting such payments to cases where a member, by reason of attendance at meetings, necessarily suffers an actual loss of wages or salary; and, if so, upon what ground the Insurance Commissioners' requirement is based.

Mr. Pratt, replying for the Treasury, said the Commissioners require such a provision as a condition of their approval as the only practicable means of securing the proper application of the grant to the real objects for which it was provided.

OPIUM TRAFFIC.

Mr. Balfour, Secretary of State for Foreign Affairs, informed Sir J. D. Rees on July 11 that the trade in Indian opium with China ceased with the expiration, on December 31 last, of the agreement relating to opium concluded between the United Kingdom and China on May 8, 1911. The Government would take all possible means to prevent the resumption of the opium trade between British India and China should any attempt be made to revive it. He had no precise information as to the firms and individuals constituting the opium combine, but he understood that it is a private and unofficial syndicate or association of merchant importers of opium at Shanghai. So far as he is aware, the functions of the combine are to regulate the

price of the stocks of Indian opium in bond, and generally to protect the interests of the members of the Association.

On July 16, Lord Robert Cecil informed Mr. Theodore Taylor that the Government have received official information to the effect that an agreement has been concluded between the Chinese Government and the Combine of Opium Importers for the purchase of the remaining stocks of Indian opium in bond at Shanghai and Canton, but they have no official information in regard to the manner in which the Chinese Government intend to dispose of this opium.

VOLUNTEER FORCE.

Colonel Royds asked the Under-Secretary of State for War, on July 10, whether, seeing that the Volunteer Force (Tribunal Exemptions) Order, 1918, as regards additional or substituted military duties not exceeding twelve hours a week only applies to such men as may be called up under the above Order and not to existing members of the Force, he will state the cause of this differentiation; and whether, in the event of the Army Council directing such duties, the men performing them will receive pay and allowances.

Mr. Macpherson replied that the provisions of the Military Service Act, under which the Order in Council was made, only apply to men dealt with by Tribunals on or after May 1, and there are no powers to apply the special provisions of the Order to existing members of the Volunteer Force, unless and until their exemptions come up for review. The Order in Council provides, *inter alia*, that the Army Council may require men coming within its scope to do twelve hours a week of military duty, either in addition to or in lieu of the drills which they would otherwise have to perform as members of Section B of the Volunteer Force, but the question of the classes of men to whom this special provision should be applied is now under consideration, and it is hoped to issue full instructions shortly.

ENEMY PATENTS.

Sir Edward Carson, on July 3, returned to the question of German applications for British patents (*C. & D.*, July 6, p. 36), and asked the President of the Board of Trade how it is that patent agents are allowed to communicate with Germans who desire to protect their inventions in this country. Sir Albert Stanley replied that patent agents are permitted to enter into and receive the communications referred to by general licence of the Board of Trade. Such communications are made through agents in neutral countries, and are subject to censorship in the ordinary way by the Postal Censor. He added, however, that the matter is being very carefully considered, and that the decision will be conveyed to the House very shortly.—In reply to a further question on July 8, it was stated that 1,310 applications for the grant of patents have been received from enemy subjects since the outbreak of the war, of which 944 have been accepted.

The Home Secretary (Sir George Cave) made a statement in the House of Commons on July 11 regarding applications for patents from enemy aliens. He said the procedure in this country with regard to patents is that after a patent has been granted it is only kept alive by the payment of a renewal fee annually. The object of that is to benefit the poor inventor who can only pay a small fee in the initial stages, with an increase if the patent increases in value during its life. In the United States it is different. There is one fee which is paid at the beginning, once for all. Our system of renewal fees involves communication with enemy subjects, through neutral countries, in order that their patents may be kept alive by the payment of fees in war time, although, of course, since the war the right to use the patent has been secured to British subjects. There are something like 10,000 patents belonging to enemy aliens which are actually now in force. Since the war no patents have been granted to subjects of enemy States, but applications for new patents have been received, and, in some cases, the specifications have been accepted. Those patents, or, rather, those applications, are vested in the Public Trustee, and the use of the invention is secured to British subjects. This procedure is now in force throughout the Empire and in Allied countries. The German Government are treating British patents in the same way. This arrangement secures to this country the benefit of new ideas originating in enemy countries, and secures the protection of British industries and industrial property in enemy countries. But it is a disadvantage in that it means frequent communication to and from enemy countries, although that is done through neutral States. This, under present conditions, the Government consider undesirable, and they propose to discontinue this practice and to cancel the general licence for such communications. They are proposing to vest all patents issued to enemy subjects prior to the war in the Public Trustee, and to discontinue the receiving of applications from enemy subjects for the grant of patents.

Proprietary Articles Trade Association.

THE twenty-second annual meeting of the Proprietary Articles Trade Association was held on July 11 at the Holborn Restaurant, London, W.C. The chair was occupied by Mr. W. Lane, the President.

The President, at the outset of the proceedings, moved a resolution congratulating Mr. W. L. Currie on his election as President of the Pharmaceutical Society of Great Britain, and Mr. W. S. Glyn-Jones, M.P., Secretary of the Association, on his appointment as Secretary and Registrar of the Society. Mr. W. Edwards seconded, Mr. R. Feaver Clarke and Mr. A. Higgs supported, and the resolution was carried.

Mr. W. L. Currie and Mr. Glyn-Jones suitably acknowledged the expression of good will.

The President, in moving the adoption of the annual report (see *C. & D.*, June 29, p. 46), pointed out that there had been an increase of twelve in the membership in all the sections. He should like to see the retail membership increased to 10,000, and he believed a great impetus to that end would be given by the work of the Face Values Committee, which was now working hard and would in future co-operate with the Association. Mr. Kutnow seconded the proposition.

Mr. Higgs, in support, suggested that the day of the annual meeting should be altered to Wednesday, or Wednesday and Thursday alternately, so as to afford members whose weekly half-holidays different an equal opportunity of attending. He expressed the opinion that there should be such an alteration in the "Year-book" as would facilitate information being obtained as to the towns and districts where there were no members of the P.A.T.A. He complained that the first President of the P.A.T.A. had reduced the profit on his embrocation from 17 per cent. to 11 per cent.

Mr. Glyn-Jones, replying to Mr. Higgs, pointed out that the annual meeting had to follow on one of the four meetings of the Council held each year, and that as members were brought from all parts of the country an alteration of the day of meeting might mean inconvenience. One thing he should value more even than an increase of 5,000 to 10,000 in the membership, and that was that all members would take the evident interest which Mr. Higgs did in the Association and in its Lists. He next referred to points on which action had been taken too late to be referred to in the annual report. The first of these referred to face-values. Correspondence had taken place between the P.A.T.A. and the Face Values Committee, and members would be glad to know that as a result a Propaganda Committee had been established which would consist of four co-opted members of the Face Values Committee and an equal number of their own Council. Under such favourable auspices everything possible would be done to increase the feeling in the country in favour of giving the principle of face-value its full effect; in other words, of seeing to it that as many articles as possible at present on the List would be sold at their face-value. (Applause.) In view of the opportunity which the P.A.T.A. had, in the interests of the trade, given to the Face Values Committee—they made no favour of it—to co-operate, that Committee would cease to exist, and in a letter had expressed their satisfaction that the special work in which they were interested would be taken up actively by the P.A.T.A. Another matter to which he wished to refer, and on which action was being taken, was the growing practice of public bodies, mainly through Maternity and Infant-welfare Centres, trading in a number of the articles usually stocked in a pharmacy. The Association took a very serious view of this complaint, and had arranged to send a written statement of the case against the system to the Local Government Board. It had also arranged that a deputation should go to the Food Controller to deal with the food aspect of the question. A point to which the Association attached great importance was that if the Government contemplated the supply of food or medicine they should not use brands or advertising mediums for the benefit of private interests, but that anything they did distribute should be without brands, and should not be the articles of one particular firm or person. Present indications pointed to the coming year being the first in the history of the Association when the income would not be sufficient to meet the expenditure, and there was very little hope of the expenditure for some years to come being decreased. The Council had therefore decided to increase the amounts of the annual subscriptions. Manufacturers would pay six guineas instead of five as formerly, and would pay a further five shillings per annum for every article on the List over

and above their first one. The Council thought it was not quite fair that a manufacturer who had a list of articles which ran into two or three pages of the Protected List should pay exactly the same as another who had only one article on the List. Then it had been agreed that the annual subscription in the wholesale section should be increased to ten guineas. The retailers' annual subscription would be 7s. 6d. instead of 5s. Explaining the reasons why the expenditure had been increased, Mr. Glyn-Jones referred to the increased cost of printing, paper, and postage. This had to be met, seeing that the Council had decided to take over the "Anti-Cutting Record" for their own profit.

Mr. W. H. Saunders (Liverpool) said the reason which led to the appointment of the Face Values Committee was that of benefiting the retail members of the craft. (Applause.) Its members had nothing to gain for themselves, but they realised that retailers were not in business for fun, and that there was a lot of money unaccounted for which ought to find its way into the chemists' pockets. (Applause.) Now that the Face Values Committee had merged with the Association it was suggested that any money it had received, but had not expended, should either be returned to the various Associations which had subscribed or devoted to the Society's Benevolent Fund.

Mr. Higgs pointed out that the Secretary had made no reply to what he had said with reference to the reduced profit on the sale of the embrocation manufactured by the first President of the Association. (Cries of "Name!")

Mr. Glyn-Jones said that the article referred to was not on the List, and, unfortunately, never had been. There was no reason why the name of the article should not be mentioned. It was Elliman's Embrocation. His suggestion was that a resolution should be passed at that meeting, and sent to Mr. Elliman to the effect that in the opinion of the annual meeting the Council should take such steps as it might to induce the proprietors of Elliman's Embrocation to fix the prices of their articles so as to yield such a profit as would be satisfactory to retailers.

Mr. Higgs agreed to the suggestion, and Mr. Hugo Wolff seconded, the resolution was unanimously adopted.

The annual report was then adopted.

Chemists' Defence Association.

THE seventeenth annual meeting of the Chemists' Defence Association, Ltd., was held on July 11 at the Holborn Restaurant, London, W.C. Mr. P. F. Rowsell, chairman of directors, presided.

THE ANNUAL REPORT

was read by the Secretary (Mr. W. Johnston), and the Chairman, in moving its adoption, stated that during the past year the membership had increased by 107. Having alluded to the various points mentioned in the report, he said that it was to be regarded as rather a pity that the members did not avail themselves of the privilege afforded them of having one B.P. article analysed. Arrangements had been made with a debt-collecting agency and also an inquiry agency by which members could avail themselves of their services under the ordinary rates paid. It was urged upon the directors a year ago that the time had come when they might set up a veterinary section. The matter was considered by them, and a letter was issued to members pointing out that if they could find 250 chemists who were willing to insure for veterinary risks they would set up such a section. Curiously enough, between 250 and 260 members intimated their desire to avail themselves of such protection as such a section would afford. Accordingly, as a tentative measure, it was decided to insure members against 100% damages for the sum of 7s. 6d. per annum. It had been agreed that this tentative measure should be allowed to continue for a year or two till they saw how it worked, then the directors would review the situation. Under the existing arrangement there had been two claims. In one which they had to meet the chemist sold an ointment to a farmer, who applied it to a heifer that was suffering from warts. The heifer died, obviously as a result of licking off the ointment, which was of a poisonous character. The Association had to meet that claim. The other claim related to a bull pup. (Laughter.) The chemist sold some Easton's Syrup to its owner, who administered a few doses. The bull pup died, and the owner claimed for the value of the animal. The Association is resisting the claim. Meantime the veterinary section was to be regarded as merely experimental.

Mr. John Keall seconded the adoption of the report, and after Mr. Greatorex (Fulham), Mr. C. Rundle (Walthamstow), Mr. S. N. Pickard, and Mr. Feaver Clarke had spoken, the report was adopted.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Bournemouth.—At the annual meeting of the Insurance Committee, held on July 15, the Finance Committee sanctioned the payment of 20% to the Pharmaceutical Committee as their administrative expenses for the year. It was resolved to pay the June and July chemists' accounts as soon as the figures are received from the pricing bureau, less a proportion of the sum allotted in respect of the Pharmaceutical Committee's administrative expenses. Accounts for the Drug Fund amounting to 329% 5s. 4d. were paid. Application was received from Mr. Arthur A. J. Akhurst for a branch shop at 45 Cromwell Road, Pokestown, to be placed upon the list of chemists, and this was agreed to. In regard to the military service of doctors and chemists, it was reported that the dispensers in the borough had been reviewed. The Sub-Committee were of opinion that the dispensers in Schedule A should be recommended for exemption, with one exception, for dispensing-work in the district either in their present position or as substitutes for men who have been called up; that the dispensers in Schedule B should be recommended for exemption, with four exceptions; that the dispensers in Schedule C should be released for military service, and substitutes found for two of same; and that the Bournemouth Pharmaceutical Committee be so informed.

London.—The Pharmaceutical Committee met at Bank Chambers, High Holborn, W.C., on July 9. Mr. G. B. Barnard presided, and, having referred with regret to the death of Mr. J. Kirkpatrick, moved that a letter of condolence be forwarded to the relatives of the late Mr. Kirkpatrick. The motion was passed in silence, members up-standing. The filling of the vacancy occasioned by the resignation of Mr. G. W. Hatfield was postponed till next meeting. A hearty vote of thanks was accorded to Mr. Hatfield for his past services. The officers for the year were appointed as follows: *Chairman*, Mr. G. B. Barnard; *Vice-Chairman*, Mr. A. J. Wing; *Secretary*, Mr. G. A. Tocher. Messrs. Barnard, Melhuish, and Keall were appointed representatives on the Pharmaceutical Service Sub-Committee. The members of the Joint Advisory Committee were reappointed, and Mr. Wing was appointed a member of the Finance Sub-Committee. On the presentation of the financial report of the Local Associations Executive a short discussion took place. It was decided to appoint a Sub-Committee, consisting of Messrs. Barnard, Melhuish, Humphrey, Shirliff, Thompson, and the Secretary, to consider the question of increased remuneration for Insurance dispensing for 1919.

Sheffield.—A meeting of the Pharmaceutical Committee was held on July 11, Mr. Culverhouse presiding. A letter was read from Mr. E. Haining (Vice-Chairman) resigning his seat on the Committee, which was accepted with regret, and the Secretary was instructed to offer the thanks of the Committee to Mr. Haining for the valuable assistance he has rendered since the passing of the Insurance Acts. The statement of accounts and report of the L.A.E. was discussed, and attention is to be drawn to the greatly increased cost of working expenses. The Central Checking Bureau's reports on the accounts for February and March were considered, and the Secretary was instructed to interview the officials in London in order that some scheme can be adopted by which substantial errors in pricing may be rectified. A short report on the military situation was presented; it was pointed out that it is unlikely that a further depletion of chemists will take place, as the position has been very closely dealt with. The annual report and balance-sheet were adopted. The report showed that the pharmaceutical service is working smoothly. The proposed new rural area regulation has been adopted by the Insurance Committee, and all dispensing within the mile in the suburbs has been handed over to the chemists. The payments made for 1917 amounted to 9,775% 4s. 3d. The number of scripts was 381,047 and the number of prescriptions 437,039. The average cost per prescription was 5.53d. (ingredient-cost 2.53d., dispensing-fees 2.8d.). The checking of prescriptions showed 1,766% 3s. 4d. as the value checked, with alleged errors of 5% 2s. 1d. against chemists. The percentage of errors from January to June was 0.351, July to December 0.129. These figures have not been counter-checked by the Pricing Bureau. The balance-sheet showed a balance in hand of 12% 9s. 9d.

Association Affairs.

Hull.—A meeting of the Hull Pharmacists' Association was held on July 9 at the Grosvenor Hotel, Mr. L. S. Sellé presiding. Letters were read from Mr. Hugo Wolff *re* the Council proceedings, and it was decided by a majority vote to thank Mr. Wolff for his report and to ask for a continuance of it. The report of the Pharmaceutical Committee for the past year was read by the Chairman (Mr. Earle) and duly adopted. The report of Mr. Richardson, the pharmaceutical representative on the Insurance Committee, was also received. Mr. Earle pointed out that there had not been a single complaint against local panel chemists during the year, which he thought was very satisfactory. He regretted the loss of Mr. Robinson and Mr. Stanning from the Committee during the year by death, and said their places had been taken by Messrs. Jones and Iddon.

London.—A conjoint meeting of the London Associations and of the Pharmacists' Volunteer Corps was held at the Progressive Pharmacy Club on July 11 to distribute the prizes won in the "Script" Sports Club and the P.V.C. competitions. The first part of the meeting was devoted to the prize-giving to the members of the P.V.C. who had won team competitions in October last, and to the winners of an inter-platoon shoot held during last April. The winners in the first event were Messrs. Shirliff, Noble, E. H. F. Williams, Shakerley, and Jackson (Sect. 5); and in the second, Messrs. Garden, Shirliff, Spyer, Luck, and E. H. F. Williams. A handsome shield had been presented by the House of Maw to the "Script" Sports Club for an inter-association competition; this was presented to the S. W. Association by Mr. John Denton, in the regretted absence of Mr. A. F. Porter through illness, and was handed by the team's captain (Mr. Barratt) to the keeping of Mr. John Humphrey (President of the Association), who suitably acknowledged its acceptance. A surprise awaited the winners of the shield—Messrs. Shearman, Barratt (capt.), Wells, Skues, Monaghan, and Shakerley—and the Western team—Messrs. Shirliff (capt.), Brearley, Douch, Roberts, A. J. Smith, and Noble—who held second place, Messrs. Maw having provided individual prizes for each member of these teams, which were presented by Mr. Geo. Wilshaw on the firm's behalf. Mr. Malcolm, of Messrs. Maw, had also provided a prize for the highest aggregate score in the winning team, which was won by Mr. Wells. Individual prizes for the members of the winning team were presented by the Western Association, and were handed to the members by Mr. C. Noble (President of the Western), while Mr. Grimwade, who made the highest score in the first round, was the recipient of a cup offered for the competition by the President of the County Association, Mr. A. R. Melhuish. A match, arranged between the winners of the Maw Shield and the P.V.C., was won by the latter, and prizes subscribed by the N.C.O.s of the Company were presented to Sergeants Roberts, Shirliff and Wathen, Corporal Brearley, and Privates Douch and Garden by Mr. Skues. Some time ago a presentation had been made to Mr. Atkins, who has in turn been Secretary of the S. W. Association, member of the County Executive, and founder of the Pharmacist Sanitary Company, since converted into the P.V.C. It was therefore felt that this was an appropriate occasion to make reference to Mr. Atkins' great services to pharmacy, especially his attempts to obtain Army recognition for pharmacists, and more publicly to make known the appreciation of his work by his brother pharmacists. A silver plate, suitably engraved, to fix to the desk already in his possession was therefore made the object of a presentation. A vote of thanks to the Chairman (Mr. A. H. Jenkin) terminated the proceedings.

West Ham.—A meeting of the West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists was held on July 4 at Earlham Hall, the Vice-President (Mr. A. Catto) in the chair. The minutes of the previous meeting having been read and passed, letters were read from Messrs. Blore and Brooks referring to the death of Mr. Kirkpatrick, and from Scrubb & Co., Ltd., agreeing to alter the wording on the slip attached to their ammonia-wrappers from "Maximum price 1s. 4d." to "Fixed price 1s. 4d." Mr. Wolff's circular reporting on his first attendance at the Pharmaceutical Council meeting was also read, and satisfaction was expressed at the trouble he had taken in the matter. The question of shortening the name of the Association was considered, and it was decided to adopt the title of "The West Ham and District Association of Pharmacists." Mr. C. A. Jones was elected to succeed the late Mr. Kirkpatrick as President.

Trade Report.

42 Cannon Street, E.C. 4, July 18, 3 p.m.

BUSINESS continues on a restricted scale in chemicals and drugs, but in spices there has been a good speculative turnover in ginger, cloves, peppers, pimento, and cassia lignea, all of which show a considerable advance. Among essential oils new French neroli is dearer, and clove is also higher, following the spice; star-anise oil is held for advanced rates. Bergamot and lemon are steady; eucalyptus is still in good demand, but no advance is looked for yet. In drugs, gentian is not quite so firm; menthol and Japan oil of mint are dull and easy. Antigua tamarinds sold at a considerable advance at auction; chiretta has been selling more freely. Pharmaceutical chemicals are inactive, with some holders disposed to force prices downwards, as arrivals are taking place in larger volume. Among those offered at a reduction are hexamine, methyl salicylate, paraldehyde, salol, and vanillin. Chloroform has been advanced by the makers. Arsenic seems to have touched bottom and is firmer.

Higher	Firmer	Easier	Lower
Canary-seed	Anise oil, star	Acetanilide	Cumin-seed
Capsicums	Arsenic	Benzoic acid	Ethyl
Cassia lignea	Coriander-seed	Paraldehyde	salicylate
Chloroform	Farina	Vanillin	Methyl
pure B.P.	Phenazone		salicylate
Cinnamon	Pimento		Phenacetin
Clove oil			Vanilla
Cloves			
Neroli oil			
Nutmegs			
Peppers			
Turmeric			

AGAR-AGAR.—The exports from Japan during April were 465,187 kin, valued at 505,861 yen. During the four months ending April the exports and countries of destination were:

To	1916 Kin	1917 Kin	1918 Kin
China ...	327,996	434,555	131,062
Hong-Kong ...	235,112	189,278	110,264
Straits Settlements	75,094	37,679	23,625
Dutch Indies ...	129,405	69,529	98,349
Asiatic Russia ...	136,481	434	62
Great Britain ...	232,535	38,472	876,942
France ...	215,593	11,000	—
U.S.A. ...	317,111	103,989	37,712
Other countries ...	122,277	102,519	71,555
	1,791,604	987,455	1,355,571

ALBUMEN.—Prime hen egg is quoted at from 4s. 9d. to 5s. per lb. on spot.

ALOE.—The exports from the Union of South Africa during March 1918 were *nil*, compared with 44,150 lb. (396l.) in March 1917. During the three months ended March 31, 1918, the exports were 153,584 lb. (1,312l.), against 113,473 lb. (1,063l.) in the corresponding period of 1917.

ANISE OIL, STAR, is firmer at from 4s. 8½d. to 4s. 9d. per lb. on the spot for "Red Ship" brand, and near shipment at 4s. 4d. c.i.f.

ANTIMONY.—While business hangs fire both in crude or regulus, recent quotations are sustained at 50l. and 78l. respectively. Advices from Japan by letter have reached here to the effect that regulus was being shipped to this side by every steamer. We give this story for what it is worth, remembering that fruitless attempts have been made for some time past to secure licences here. If anything is shipped at all this can only be against Government orders. The position in China is becoming worse, and the market in America is unsettled, this being due to a recent meeting held at San Francisco between representatives of smelters and of the Tariff Commission in regard to a proposed change in the import duty. The opinion was held of the desirability of raising the duty to 2 cents per lb. on antimony ore based on metallic contents, and to 6 cents on refined metal. It was estimated that Chinese antimony could be brought over and landed on the Pacific Coast at 10 cents in bond. Domestic smelters claim protection, arguing that a sufficient quantity of the metal can be produced if the industry is given ample protection. This move is certainly not calculated to raise the hopes of Chinese exporters.

ARSENIC.—The market has taken a turn for the better, thanks to a little revival in demand, while offers of foreign

material are no longer pressed. Buyers are still shy, and the rally, which amounts to 4l. per ton from the recent worst at 98l. to 100l. for best white Cornish powder, delivered London, cannot be taken too seriously. It is understood that fair quantities of Australian were recently sold at the decline. There is not much doubt but that the Cornish output is making steady headway at the high prices, while Japanese producers have made efforts to push operations. Greece is also turning out fair quantities.

BENZOATES.—Benzoic acid and benzoate of soda are both steady at 18s. 6d. to 19s. net on the spot.

BERGAMOT OIL is unchanged, 38 to 39 per cent. esters offering at about 20s. per lb. net on the spot, and at 18s. 3d. to 18s. 6d. c.i.f. to come forward.

BISMUTH.—A regular business is passing in the metal, but the market is absolutely under control, with the official price standing at 12s. 6d. per lb. Makers of salts continue to absorb the greater part of the current output. Arrivals from Bolivia, although irregular, are believed to be coming in fairly well. Operations there have undoubtedly been stimulated by the high price.

BUCHU.—Good green round is quoted at from 6s. to 6s. 6d. and ovals at from 5s. 6d. to 5s. 9d. per lb. on the spot. The exports during April 1918 amounted to 11,311 lb. (2,047l.), against *nil* in April 1917. During the four months ended April 1918 the exports were 59,683 lb. (9,871l.), against 89,314 lb. (14,622l.) in the corresponding period of 1917.

CAMPBOR OIL.—The exports from Japan during April amounted to 208,903 kin, valued at 35,621 yen. During the four months (January to April) the exports were:

	1916	1917	1918
Kin ...	475,613	553,188	232,369
Yen ...	68,128	66,731	41,460

CAMPBOR (REFINED).—Tending firmer. Sales of Japanese 2½-lb. slabs have been made at 4s. 6d., with 4s. 7d. asked; 4-oz. tablets have been sold at from 5s. 3d. to 5s. 6d., but early in the week 5s. 9d. was also paid. The exports from Japan during April were 267,025 kin, valued at 514,624 yen. From January to April of the past three years they were as follows:

	1916	1917	1918
Kin ...	1,817,445	1,042,841	775,444
Yen ...	1,659,585	1,643,121	1,470,614

The destinations were as follows:

To	1916 Kin	1917 Kin	1918 Kin
British India ...	530,416	158,303	202,746
Asiatic Russia ...	63,568	—	—
Great Britain ...	497,688	46,463	189,868
France ...	167,298	—	8,845
United States ...	477,022	798,880	267,329
Australia ...	22,140	1,465	37,277
Other countries ...	59,313	37,730	69,379
	1,817,445	1,042,841	775,444

CANARY-SEED has again advanced in price, the quotation being now 270s. to 280s. per quarter for ordinary to good Morocco, and 290s. for good bold Spanish.

CAPSICUMS are dearer, with sellers of fair Bombay at 80s. per cwt.

CASCARA SAGRADA.—The London stock in the warehouses on June 30 was 28 tons, against 61 tons in June 1917; the deliveries in June were 14 tons and the landings 10 tons.

CASSIA LIGNEA.—Speculators have advanced the price about 22s. 6d. per cwt. during the week, quoting 130s. for whole selected and 120s. for broken on the spot.

CHIRETTA is in fair demand at from 1s. 5d. to 1s. 6d. per lb. on the spot.

CHLOROFORM.—The makers intimate an advance of 2d. per lb. in the price of pure B.P. chloroform, the new quotations, without engagement, being as follows: Pure B.P. 4s. 6d., 50 lb. and upwards 4s. 5d., 2½ cwt. and upwards 4s. 4d. Contracts are not being booked at present.

CINNAMON is dearer at 3s. 3d. for Ceylon firsts, 3s. 2d. for seconds, 3s. 1d. for thirds, and 2s. 7d. for chips on spot.

CITRIC ACID remains firm at 3s. 5d.

CLOVE OIL.—Distillers have advanced their price to 23s. following the rise in the spice, but in second-hands there are sellers at slightly less.

CLOVES are dearer, with spot sales of fair Zanzibar at from 2s. 5½d. to 2s. 8½d. per lb., and 2s. 9d. asked.

CORIANDER-SEED has shown some recovery in price. New crop Morocco has been sold at 34s. to 35s. per cwt. c.i.f. terms, and a large quantity of old crop on the spot has changed hands at 35s. up to 37s. 6d., and holders are now asking 40s. per cwt.

COD-LIVER OIL.—An official final report has been issued giving the total results of the Norwegian cod-fishing, including the Finmarken spring fishing. These results show a

total catch of 24,413,000 cod, yielding 21,492 hectolitres of medicinal oil, and 9,856 hectolitres of livers for raw oils. As will be seen from the figures given below, these results are inferior to those of the past thirteen years:

	Catch of Cod (000's omitted)	Yield of medicinal oil (hect.)	Livers for raw oil (hect.)
1917, to June 22	27,736	37,129	6,824
1916, " 23	51,397	60,068	5,379
1915, " 23	66,834	52,918	8,871
1914, " 23	81,469	57,171	12,585
1913, " 24	75,955	48,263	13,146
1912, " 19	99,162	76,211	34,010
1911, " 24	64,424	45,318	12,729
1910, " 25	55,689	41,024	17,804
1909, " 23	56,519	50,460	27,663
1908, " 27	48,217	59,104	25,584
1907, " 22	47,625	46,889	21,384
1906, " 23	46,448	42,908	18,097
1905, " 24	44,486	41,907	12,958
1904, " 25	47,801	18,529	7,810

CREAM OF TARTAR is quoted at from 41s. to 420s. per cwt., as to seller; fair arrivals have taken place.

ETHYL SALICYLATE is offered at the lower figure of 7s. per lb. on spot.

EUCALYPTUS OIL has continued in fair demand, good B.P. oil being quoted at from 2s. 6d. to 2s. 7d. on spot.

FARINA is firmer, No. 1 Japanese being quoted on the spot at 73s. and July-September shipment 71s. c.i.f.

FENUGREEK-SEED has been sold on passage at 34s. per cwt. c.i.f. terms for new crop Morocco.

FORMALDEHYDE.—The full text of the Government notice controlling formaldehyde will be found on p. 33. The controlled price of 150l. per ton is considerably below what dealers have been selling retail lots at.

GALLS.—Sales of ordinary shape Chinese have been made at 170s. on the spot.

GENTIAN.—Spot sales have been made at 95s.; market is well supplied.

GERANIUM OIL remains firm, Bourbon offering at from 27s. to 28s., and best brands of African at 36s. to 37s. per lb. on the spot.

GINGER is obtainable in small lots from dealers' hands at several shillings below the prices quoted in Mincing Lane—e.g., Cochon can be had at 147s. 6d., Calicut at 145s., Japanese at 130s., and fair medium Jamaica at 155s.

HEXAMINE is again cheaper at 9s. to 9s. 6d. per lb. on the spot, as to seller and quantity.

HONEY.—Prices are well maintained, Cuban offering at 195s. to 197s. 6d. for good pale set and 187s. 6d. for good yellow set. Parcels of Australian afloat have been sold at about 185s., and for fine pale set Californian in cases in Liverpool 200s. is asked.

HYDROQUINONE is practically unaltered at 17s. 6d. per lb. net in kegs.

LEMON OIL is in jobbing demand at the unchanged rates of from 4s. 1½d. to 4s. 2d. per lb. on the spot for good brands, to arrive being quoted at from 4s. to 4s. 2d. c.i.f.

MENTHOL is dull, with sellers at from 13s. 9d. to 14s. per lb. for Kobayashi-Suzuki on spot, as to holder. Sellers of April-June shipment quote 13s. 6d. c.i.f. The exports from Japan during April amounted to 43,166 kin, valued at 92,951 yen. During the period January to April of the past three years they have been as follows:

	1916	1917	1918
Kin ...	175,041	90,196	92,951
Yen ...	1,101,746	603,119	529,866

The destinations were as follows:

To	1916 Kin	1917 Kin	1918 Kin
British India ...	5,738	3,319	8,249
Great Britain ...	82,533	15,656	49,276
France ...	30,552	1,361	675
United States ...	49,710	64,448	31,208
Other countries ...	6,508	5,412	3,543
	175,041	90,196	92,951

METHYL SALICYLATE.—With further arrivals of fair-sized quantities, again cheaper offers are current at from 8s. to 9s. on spot, as to seller.

MILK-SUGAR is selling in small lots on the spot at from 7s. to 7s. 6d. per lb. Arrivals comprise 167 barrels, most of which have been sold to arrive. A New York advice, dated June 20, reports that there is nothing available for prompt delivery, supplies being very scarce.

MINT OIL.—Japanese dementholised is dull and easy, Kobayashi-Suzuki offering at 3s. 9d. per lb. on spot, and June-August shipment at 3s. 6d. c.i.f. The exports from Japan during April amounted to 25,677 kin, valued at

50,454 yen. During the four months (January to April) the exports were:

	1916	1917	1918
Kin ...	177,743	66,106	42,590
Yen ...	410,277	146,537	87,159

MYRRH.—The U.S. Consul at Aden, in a lengthy report on the trade of the port in 1916-17, states that the principal imports of myrrh into Aden are from independent Somali ports. The largest exports during 1916-17 were to Egypt, with India next, and the United States third. The latter country took nearly three times as much of this gum from Aden as in any previous year, and indications are that a permanent trade is developing.

NEROLI OIL is dearer, over 30s. per lb. having been paid for finest French, guaranteed pure.

OTTO OF ROSE.—According to the "Deutsche Balkanzeitung" this year's production of otto in South Bulgaria will be far below that of last year. The quality of the petals is also inferior, so that 24 kg. will be required to produce 5 gr. of otto, against 15-16 kg. last year. In favourable years the production amounted to some 5,000 kg., while this year's production is not expected to reach 3,000 kg.

PARALDEHYDE is offered at the easier rates of from 9s. 6d. to 10s. net on spot.

PEPPER is dearer, the sales including fair black Singapore on spot up at 1s. 9½d., fair Tellicherry at 1s. 10½d. and buyers, and Aleppy 1s. 10d. to 1s. 10½d. White pepper is also dearer, with sales of Muntok at 3s. 4d. to 3s. 5d.

PHENACETIN is still being depressed, and a further "cut" in prices has been made, with offers at 20s. per lb. on spot.

PIMENTO is quiet, with small sales on spot at 6½d. per lb.

POTASH IODIDE.—The exports from Japan during April amounted to 23,325 kin, valued at 144,988 yen. During the four months ended April the exports were:

	1916	1917	1918
Kin ...	60,076	45,598	65,651
Yen ...	443,897	286,565	397,674

Of crude iodine, the exports in April were 5,691 kin, valued at 33,049 yen. During the four months (January-April) the exports were:

	1916	1917	1918
Kin ...	150	9,337	25,327
Yen ...	722	80,181	156,552

POTASH PERMANGANATE.—A New York advice dated June 20 reports a steadily weakening market, with offers at \$2.60 to \$2.75 per lb., there being little demand. The decline appears to be due to Japanese competition.

POTASH SALTS.—At a meeting on June 5 of members of the German Potash Syndicate, the chairman stated that the production of potash in 1917 amounted to d.ctr. 10,042,814, value m.230.6 million, compared with d.ctr. 11,103,694, value m.192.1 million in 1915. These figures show that potash has only gone up about 30 per cent. in price during the war. He said that since February a noticeable improvement had taken place in the supply of rolling stock and coal, but owing to lack of trained mechanics for repair work it was evident that German soil will be again short of potash this year. The demand in Germany for potash rose from d.ctr. 5,300,000 in 1913 to d.ctr. 12,000,000 in 1917.

QUININE.—A good business has been done by the agents for makers for shipment from Java during the next three months at unchanged prices. Only retail lots of sulphate are available from second-hands, and up to 3s. 9d. per oz. has been paid by consumers. The exports from Java from January to December 1916 and 1917 were as follows:

To	1916 Kilos.	1917 Kilos.
Netherlands ...	28,839	7,243
Europe ...	13,700	25,574
U.S.A. ...	2,836	26,385
Egypt ...	17,408	5,396
British India ...	5,217	10,025
Singapore ...	10,759	6,456
China ...	9,456	15,257
Japan ...	14,327	24,912
Australia ...	2,502	3,168
Other countries ...	9,469	7,102

114,573 131,518
= oz. 4,010,055 = oz. 4,603,130

SACCHARIN continues in good demand at unchanged rates, parcels of American now landing selling at 260s. per lb., duty unpaid, for 550 pure, which is equivalent to 392s., duty paid. A New York advice, dated June 25, reports a lower market, with offers of insoluble at \$22 to \$23, and for soluble \$25 to \$26 is wanted.

SALICYLATES show no change, from 4s. 2d. to 4s. 3d. being quoted for English or American powder, and from 6s. 3d. to 7s. for sodium salicylate powder, as to seller.

SALOL is cheaper to the extent of 6d. to 9d., with offers at 9s. 3d. net.

SENEGA.—From parcels now landing 7s. 6d. per lb. net is quoted; arrivals in Liverpool include 18 bales.

SHELLAC is steady, with a small business on the spot, usual standard TN Orange quality offering at 340s.

SULPHONAL remains scarce and firm at 90s. per lb. on spot. TAMARINDS.—At an auction held in the selling broker's saleroom 135 barrels Antigua were offered and sold with good competition at from 98s. to 128s. per cwt. in bond for fair small mostly dark and pulpy.

TURMERIC.—Holders have again sharply advanced prices, quoting Madras finger at 130s. and Cochin bulbs at 85s. on the spot. Powdered Madras finger is offered in one quarter at 125s.

VANILLA is cheaper, good Seychelles offering at from 6s. to 7s. per lb.

VANILLIN.—There are still spot sellers at from 67s. 6d. to 68s. 6d. per lb. net ex parcels just landed.

ZINC PRODUCTS.—The demand for zinc oxide continues good, but supplies are very light, imports being restricted through freight scarcity. Prices are chiefly nominal, and vary considerably according to assay. Low-grade Dutch is worth from about 74l. to 84l. per ton ex wharf London. Zinc dust is very scarce, but there is now a better prospect of additional quantities being shipped from Australia, the price asked being 108l. per ton c.i.f. home ports. The chief difficulty is to get hold of shipping space.

French Flower-crops and Essential Oils.

Paris, July 8.

The harvesting of different kinds of flowers in the South of France is now ended or drawing to a close. The neroli oil and orange-flower distillation is also finished, and owing to speculation holders of the oil are asking up to 1,500fr. per kilo. for genuine and 1,300fr. for second quality. As the crop has been a good one it seems advisable to hold off for the present. The rose crop has also been abundant, but prices have reached the fabulous rate of 2.60fr. per kilo. Rose pomades and other concentrated products of flowers are quoted at 26fr. to 28fr. per kilo. The tuberose crop is beginning, but flowers are very scarce. In regard to jessamine, no report can be given yet. It is reported that many plants have been damaged, although well protected, by frost. Very few essential oils are arriving on the Paris market. Bourbon geranium is very firm at 62fr., and some arrivals are expected in a fortnight in Marseilles. New crop Algerian geranium is quoted at from 95fr. to 100fr. Mexican linaloe oil is rather scarce at 52fr., and some parcels of Paraguayan petitgrain are available at 48fr. A good brand of Bourbon vetiver is quoted at 126.50fr. in cases and bottles.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the ports of London and Liverpool during the period named below. Particulars of imports of oils, oilseeds, nuts, fats, gums, etc., are not now published.

To London	
(June 29 to July 5).	etc., unrated, 37 pkgs.; hemlock ext., 111 cks.; myrobalans, 440 bgs. 10,000 pockets
Chemical products, etc., unrated, 4 cts.	Perfumery, etc.: face-cream, 10l., floral water, 126 chys.; toilet-powder, 673l.; toilet-water, 385l.
Ammon-valerianate, 2 cts.	Plumbago, 305 cks.
Arsenic, 80 cwt. 40 bxs.	Starches (cwt.): cassava, 478; farina, 22,076; potato, 35,731; rice, 1,520; wheat, 1,600
Camphor mono-brom., 5 cts.	Talc, 756l.
Cobalt oxide, 15 kgs.	Wax, paraffin: scale 120 cwt.
Cream of tartar, 30 cks. 42 pkgs.	Wax, vegetable, 1,367 cts. 75 bgs.
Phonazone, 2 cts.	Cancelled entries:
Potash bromide, 197 cts.	Jan. 30, 261 bgs. fenugreek seed.
Potash iodide, 16 cts.	Mar. 19, 4,132 cwt. paraffin wax.
Quinine, 75,000 oz.	Mar. 27, 10 bgs. ergot.
Rennet, 7 cks.	Apr. 26, 50 chts. indigo
Soda hyposulph., 10 tons	
Tartaric acid, 104 pkgs. 55 kgs. 8 cks.	
Tartar, crude, 399 bgs.	
Verdigris, 2 cks.	
Dental goods, 3,862l.	
Drugs, etc., herbs, dried, 24 bls.	
Anise oil, star, 200 cts. 450 pkgs.	
Camphor, 350 cts.	
Camphor oil, 400 cts.	
Gamboge, 8 cts.	
Menthol, 259 cts.	
Dyestuffs, dyeing and tanning materials,	

To Liverpool
(July 1 to 6)

Chemicals, etc., unrated
Acetate of lime, 4,287 bgs.
Arsenic, 34 bbls.
Camphor mono-brom., 7 bbls.
Carbolau, 250 kgs.
Cerium nitrate, 5 cts.

Cobalt oxide, 32 bbls.
Cream of tartar, 44 cks.
Hexamine, 72 kgs.
Iodine, 50 cts.
Methyl salicylate, 10 cts.
Phenolphthalein, 2 cts. 1 bbl.
Soda chlorate, 750 drms.
Soda nitrate, 32 bgs.
Thorium nitrate, 112 cts.
Drugs, etc., unrated, 18 pkgs.
Galangal, 50 bxs.
Hydrastis, 2 bls.
Sarsaparilla, 13 bls.
Senega, 18 bls.
Dyestuffs and tanning materials: chestnut tanning ext., 923 cks. 2,471 bgs.; cutch, 200 bxs.; indigo, 25 cts.; mimosa-bark, 1,566 bls.; myrobalans, 4,000 pockets; tanning bark, ground, 34 bls.; wattle-bark, 2,068 bls.
Starches, corn, 430 bgs.
Talc, 7,896 bgs. 24 cts. 525 pkgs.
Wax, bees', 19 ballots
Wax, carnauba, 50 bbs.
Wax, paraffin, 1,123 bgs. 925 bls.



Pharmacists and Military Service.

SIR,—Surely my brothers in the craft never had a finer opportunity than the present of impressing upon Military Tribunals the responsibilities of pharmacists to the public. It is really astounding that members of these Tribunals should so universally regard qualified chemists in the same light as ironmongers, grocers, and other shopkeepers. The studious neglect of craft interests on the part of the statutory body is now bearing full fruit in the harassment of qualified men that is going on all over the country. This situation arises simply and solely out of the lack of proper education of the public. The letter of Mr. E. S. Waring, of Nottingham (*C. & D.*, July 13, p. 51), is pertinent, but the point which wants emphasising is that Insurance dispensing work only touches the fringe of the chemists' daily responsibilities. How many tragedies have been averted by the care and watchfulness of the trained man. Almost any medical man could—if he would—tell of several in his own experience. Then who protects the public from themselves? The Solons of the lay Press set out to prescribe potassium iodide in 2-dr. doses for rheumatism, but the chemist steps in and saves the life of his customer. We all know the self-satisfied lady who "always finds capsicum vaseline so good for a blister!" We merely smile gently and supply the carbolated variety. And what, after all, is the dispensing of 300 Insurance scripts in a week compared to the care required in selling during the same period 200 or 300 lb. of active medicinal substances of all kinds in the ordinary over-the-counter business? There is a grand chance here for pharmaceutical publicity and propaganda work. Who will do it?

Yours faithfully,

J. FEATHERSTON.

SIR,—I am glad to see Mr. Waring's letter on the ignorance of Tribunals. I have been through it, and I know whose fault it is. In England and Wales the Tribunals got to work before our Pharmaceutical Society had time to warn us, although the Scottish Secretary warned his flock, but I did not know of this until it was too late to prevent my presenting myself, quite needlessly, for examination. Bloomsbury was minus a Secretary, and was having the "upheaval" of its life, so we got "let down" once more. Now that we are likely to get the full exemption which is there by law for us, you will find sections of the public openly envious of us, and especially voluble when they come after hours on Sundays and public holidays. They envy the chemists exemption, but none of them want their sons to enter the business; they will send their daughters—mostly in search of husbands, and nearly always wanting work in surgeries or dispensaries; rarely in shops. Woman's business life is five to ten years; man's fifty to sixty years. It will be interesting to see how long Bloomsbury takes to grasp that fact and the logical sequence thereof. Shall we say 1940? Meantime, we can meet those Tribunals who illogically tell us that, though we are working twelve to fourteen hours a day, we are "not doing work without pay," by offering to (1) pay supplementary income-tax, or (2) take up Bonds at 1½ per cent. or 2½ per cent., for part of our savings year by year as long as we are exempt. This is more businesslike than offering to do some of the perfectly futile tasks which can be done by thousands of idle women, besides leaving us free to do the work for which we are exempted.

JAY MACK. (91/19.)

SIR,—I should be obliged if you can insert in the *C. & D.* the following particulars of my case, which must be typical of many others. I am thirty-two years of age, married, passed Grade 1. The details of my business are as follows: Number of private prescriptions dispensed per annum 3,600, and 2,000 Insurance prescriptions. The population of the town (catered for by two chemists) is about 8,000. My *confrère* is well over military age. My takings are over 2,000l. per annum. A fortnight ago I was called upon to appear before a Sub-Committee of the County Insurance Committee. I laid my case before them, giving the number of Insurance prescriptions dispensed by me. This was quite unnecessary, as they had before them, in cash figures, not numbers, the amount done by me. There were two members of the local Pharmaceutical Committee present, but they were simply spectators, and had to retire with me while the verdict was being decided upon. This Sub-Committee decided not to recommend the continuation of my exemption, and I understand that the Insurance Committee, sitting a few days later, ratified this decision. I thereupon wrote

to the C. & D., and also to the Pharmaceutical Advisory Committee. From the C. & D. I had a reply to the effect that, according to the agreement made with the Ministry of National Service (C. & D., June 15, p. 44) I was clearly protected from military service. From the Advisory Committee I have heard that I am no longer in a certified occupation, and that I ought to make as strong a case as possible, on personal grounds, as the N.S.R. may counter the testimonials (which I hold from local doctors) by the statement that the Insurance Committee have to consider the facts regarding the general business. I contend, and doubtless there are many more in exactly similar positions, that the Insurance Committees are not, generally speaking, in a position to decide upon the needs of the population other than Insurance dispensing business. In my case they were certainly not in a position to judge, as there was not a member who had any intimate knowledge of the conditions ruling here. The assistance I have had from the Local and Central Advisory Committees was worth absolutely nothing. I have come to the conclusion that one gets the fairest treatment from local Tribunals, and that the support given to the chemist by the Pharmaceutical Society is that of a broken reed, and not to be depended upon.

Yours faithfully,

CUMBRIAN. (125/66.)

Capsule (127/59) sends us a report from an eminent physician regarding an assistant who, rejected for the Army in 1916, has, on re-examination a fortnight ago, been passed as Grade 1. From the report we quote the following:

Remarks and Conclusions.—This man is wholly unfit. The history of Bright's disease, the dilated heart, a (normal) pulse of 120 and over, tachycardia alarming after exercise, a stomach of enormous dilations, a hernia, a varicocele and chronic anæmia unfits him for any form of public service conceivable. He ought to be in bed now. Get his condition watched. Have his hernia and varicocele cured by operation. Intermittent nephritis and albuminuria are not conditions of a fit man.

Profits, Percentages, and Discounts.

SIR,—I have read with interest the discourse on the above subject by Mr. John Humphrey, all the more so as I have been working for some years with a certain amount of success endeavouring to encourage the chemist to adopt a definite system of pricing at definite percentages of profit, and to scrap the old guesswork and often erratic pricing methods. I realise that Mr. Humphrey has spent a deal of time and thought over his paper, but I am afraid he leaves the subject (I admit a difficult one when you get properly into it) still too complicated for many to grasp, as he gives much more than is necessary for a retail business. My criticisms, I hope, will not be considered destructive but constructive, for the good of the trade.

COSTS.—Mr. Humphrey endeavours to differentiate cost under two heads—(a) net purchase cost, (b) actual cost—the latter being arrived at by adding a proportion of overhead charges. I do not think this is the best way. Let the net purchase cost be the cost—the actual cost—you will gather the reason from my other points. Another point I do not agree in is, he uses a manufacturer's argument when he says "the longer an article is kept in stock the greater should be its apportionment of overhead charges." In theory this appears right, in practice it is impossible. A very good point in the discourse is, "provided always that the entire stock disposed of should yield such an average profit as ought to be realised if the stock were of a more homogeneous character."

PROFITS.—Under this heading again the lecturer gives too many kinds of profit for practical purposes. All that is necessary is "gross" profit and "net" profit, both calculated as out of turnover. Profit on outlay does not apply to the retailer; it is a wholesaler's argument or a financier's method, and I leave it alone. As he rightly remarks at the end, "the difficulty is to arrive at the actual outlay," whereas my methods deal entirely with turnover, which is always known. Mr. Humphrey says, "If the gross profit does not cover the overhead charges there is no profit." I would rather say there is a gross profit but no net profit, in spite of the fact that gross profit is usually greater than net profit, which is derived from it.

PERCENTAGES.—At the outset I may say that definite percentages of profit out of turnover—that is, on sales—is the basis of "The Standard Retail-price List" published by me, which many C. & D. readers know, and on page 4 of the July issue percentages are explained. The figures given for percentage on sales by Mr. Humphrey mean the same as my own; they are correct arithmetic, but give no short cuts which are so necessary. Thus, in order to add 25 per cent., he gives this formula:

$$\frac{12 \times 25}{100 - 25} = \frac{300}{75} = 4.$$

The "Standard" List method is $12 \div 3 = 4$. The percentages I have chosen all bear similar short cuts, and are sufficiently

varied to meet the requirements of the retail trade. I have chosen twenty different percentages, ranging from 5 per cent. to 80 per cent. Mr. Humphrey's percentage values are too close together; for instance, he gives 5.00, 5.26, 5.55, 5.88 per cent. Now, if the retailer is going to add profit and finds that 5.00 per cent. is not enough, then 5.88 per cent. will not be enough either: he will jump to 7 or 10 per cent. Further, Mr. Humphrey goes no further than 50 per cent., but this is often not enough. When castor oil cost 4d. lb. and sold at 1d. per oz. that was 75 per cent. These twenty "Standard" percentages, applied variously to our heterogeneous stock, should be applied in actuarial proportions so that the combined sales at these percentages will equal on the whole one definite percentage, as if you had dealt in one class of goods at one definite percentage. To better illustrate my "Standard" system of profit and percentages I shall build a factitious business thus:

The turnover	...	...	...	...	£1,500
Stock-in-trade value	...	...	...	...	£1,000
Interest on capital at 5 %	...	...	...	...	£50
Rent	...	...	...	...	£45
Taxes	...	...	...	...	20
Lighting	...	...	...	...	20
Wages, etc., etc.	...	...	...	...	115
				—	200
Overhead charges	...	...	...	...	£250

As 250% is 16.66 per cent. out of 1,500% turnover, you know that you must get an average of 16.66% out of every 100% turnover before you make any net profit, except interest on capital, which some may consider as salary or net profit, and you must keep your turnover up to the average of 1,500% in order to pay your overhead charges. But of course you need a salary beyond this. I will presume a salary of 250% a year is desired. Your overhead expenses are 250%, salary desired 250%, total 500%. As 500% is 33.33 per cent. of your 1,500% turnover, in order to get that salary you must base your profits on an average of 33.33 per cent. If you were dealing in one class of goods only, like shoes, you would add this 33.33 per cent. to each article thus: Article cost 7s. 6d. $\div 2 = 3s. 9d. + 7s. 6d. = 11s. 3d.$ selling-price. But in our trade some goods may have to be at 5 per cent., others must be higher than 33.33 per cent. to compensate, so that the average will be 33.33 per cent. Now, should your turnover increase without altering your overhead charges your salary will increase by the full 33.33% out of every additional 100% of turnover, while if turnover shows signs of decreasing you have still a fair opportunity of getting your same salary by re-calculating the percentage required out of the reduced rate of turnover, thus: Turnover falls to the rate of 1,000%; overhead charges, 250%, now equal 25 per cent. Overhead charges and salary still equal 500%, but this will now be 50 per cent. of the 1,000% turnover; you must now look round and increase various percentages, so that the average percentage will be 50 per cent., and not 33.33 per cent., which will again give you your 250% salary. I could go much deeper into the subject of percentages and profits, but I am afraid I have already trespassed too far on your valuable space.

Yours faithfully,

23 High Street, Herne Bay.

CHARLES PHILIP.

Weighing-machine Proceeds.

SIR,—In reference to Mr. Noble's letter in the C. & D., July 13, p. 51, one of our members (Mr. Ullett, Peckham) has suggested to me that some chemists might like to devote the takings from their weighing-machines to St. Dunstan's Fund until the end of the war. I have written to St. Dunstan's (as has Mr. Ullett) offering to do this; possibly other members of the South-Eastern Chemists' Association would like to do the same; if so, will they please write me and I will make arrangements with St. Dunstan's for special tickets to display. Doubtless the Treasurer of St. Dunstan's Hostel, Regent's Park, N.W. 1, would be glad to hear from any chemist (London or elsewhere) willing to fall in with the above suggestion.

Faithfully yours,

209 Trafalgar Road, Greenwich.

J. MILNER.

SIR,—Mr. Noble's letter in THE CHEMIST AND DRUGGIST (July 13, p. 51) gives us credit for a suggestion that is not ours. The idea came from Mr. A. J. Fairlee, pharmacist, 71 Lavender Hill, S.W.; our part has only been to give publicity to the excellent scheme. A large number of letters have already been received at St. Dunstan's agreeing to the suggestion, some going further than the appeal asked, and offering their takings for a longer period, or for the duration of the war. Some have subscribed personally because they think the cause a right one and have no weighing-machines.

Yours faithfully,

253 Euston Road, London, N.W.

SANGERS.

Maté.

SIR,—In view of your reply to "Mexico" (*C. & D.*, July 13, p. 52), my experience may be of interest to your readers. For over two years past I have drunk a breakfastcupful of maté daily at midday. *Modus operandi*: a small teaspoonful of the broken leaf is put in the cup and boiling water poured thereon; the maté at first floats, but soon sinks to the bottom of the cup. I infinitely prefer it just as it is, without either milk (which it turns a nasty colour), sugar, or any other addition. The taste is peculiar but very soon acquired, and I find the infusion very stimulating. Another great merit is its cheapness. I buy it at a retail grocer's for 1s. 4d. per lb., whereas the only drug-house who lists it in my possession quotes 2s. 4d. for a similar quantity, so there appears to be some scandalous profiteering in the wholesale drug-trade! I often wonder why maté is not more popular, especially in these days when every beverage is expensive.

Yours faithfully,
T. W. HAZELBY.

Ringwood.

The Sweetness of Sugar.

L. J. de W. (126/74) writes: "In reply to your correspondent 'Inquisitive' (*C. & D.*, July 13, p. 51), who asks why the sugar obtained from his grocer does not taste so sweet as a brand used for pharmaceutical purposes, although the two samples look almost identical, it may be suggested that for strict comparison the test should be made on solutions of the same weight of sugar in equal volumes of water. Taste is a mixed sensation, partly mechanical and partly gustatory, and is affected by the size of grain of the sugar under examination. The one of smaller grain would dissolve more readily and the sweetness be more readily perceived. It is not at all probable that glucose is added as a diluent, seeing that its presence is so readily detected, and the quantity that would be necessary to affect the taste appreciably would be very considerable. All dry, white sugars contain at least 99 per cent. of sucrose, or cane-sugar. It is, however, possible that a method of refining may give a pure sugar of less savour than usual. Why is sugar sweet? The sweetness is greatly affected by the presence, even in small quantity, of impurities. Where does the beet-sugar come from at the present time?"

Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on page 353.

W. H. (126/1).—You would be well advised to take advice regarding the transfer of a business, as there are many pitfalls for the inexperienced. A transfer agent should be consulted on the matter.

F. G. (88/91).—RE-HEARINGS.—A case cannot be re-heard by a Tribunal unless the person who requires a re-hearing first obtains the consent of the Minister of National Service. You will need to apply for consent to the Regional Director of National Service, whose address will be given you at the Recruiting Office.

Velox (89/7).—MILITARY TRIBUNAL CASES.—In regard to the requirement that exempted persons should join the Volunteers the following, quoted from a Local Government Board circular (R. 192), explains the position: "Any man exempted by a Tribunal after April 30 will be liable to join the Volunteer Force unless the Tribunal directs otherwise. If you have a good reason for not joining the Volunteers (such as that your time is already fully occupied on work of national importance, or that the drill centre is too far away), you should explain this to the Tribunal."

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

T. C. M. Co. (116/61).—TABLETTELLIES.—Recipes for making jelly squares are given in "Pharmaceutical Formulas." The sugar ordered in the recipe can be replaced by glucose and saccharin.

Hair Restorer (121/28).—GLYCERIN-SUBSTITUTE.—There is really no efficient substitute for glycerin in hair-restorer where the glycerin is used for keeping the hair moist. We suggested some time ago a trial of deliquescent salts, such as magnesium chloride or calcium chloride, but our subscriber did not tell us whether these salts are effective.

J. W. (199/5).—SELF-RAISING FLOUR.—To a hundredweight of flour add sodium bicarbonate 8 oz., and cream of tartar 13 oz. In place of cream of tartar calcium acid phosphate may be employed. Dr. Hamill, of the Local Government Board, gives the following formula:

Calcium acid phosphate	...	6 lb.
Sodium bicarbonate	...	3 lb.
Flour	...	280 lb.

Sed Quare (120/13).—ECZEMA-LOTION FOR DOGS.—The concentrated form consists of Vlemminck's solution, made as follows:

Slaked lime	...	3v.
Sublimed sulphur	...	3viij.
Water	...	3lvj.

Add the mixed powders to the water, boil down to 32 oz., strain, and bottle. For use as an eczema-lotion add two teaspoonfuls to a pint of water and bathe the parts freely with the solution.

C. C. (121/61).—BOOKS ON SOLUBLE ESSENCES.—Walter's "Manual for the Essence Industry" (Chapman & Hall, 18s. 6d.). There is also a chapter on the subject in "Pharmaceutical Formulas" (Office of *C. & D.*, 10s.).

D. W. R. (122/48).—WATER-ICES contain farinaceous material to give the white appearance. An ounce of powdered starch is boiled with a pint of milk and cooled, then sweetened, flavoured with vanilla, strawberry, raspberry, or any other agent, and placed in the freezer.

H. W. (125/54).—POT-POURRI.—There are a dozen recipes for this in "Pharmaceutical Formulas," the following being representative:

I.		II.	
Rose-petals	... 3viij.	Coriander	... 3iv.
Lavender-flowers	... 3iv.	Orris-root	... 3iv.
Orris-root	... 3ij.	Calamus	... 3iv.
Vanilla	... 3ij.	Rose-petals	... 3iv.
Cloves	... 3ij.	Lavender-flowers	... 3ij.
Storax	... 3ss.	Mace	... 3ss.
Siam benzoïn	... 3j.	Cinnamon	... 3ss.
Ambergris	... gr. xx.	Cloves	... 3ij.
Musk	... gr. iv.	Essence of musk	... 3ss.
Common salt	... 3ij.	Common salt	... 3ij.
Oil of lemon	... 3j.		
Oil of vetiver	... 3ss.		

A. A. (126/4).—The following are the formulas you ask for:

Tic and Neuralgia Mixture.		Liniment.	
Pot. brom.	... 3ij.	Ol. eucalypti	... 3v.
Tr. gelsem.	... 3ij.	Sp. vini	... 3xv.
Aq. chlorof. ad	... 3vj.	Pulv. capsici	... 3j.

Calais (122/44).—POTTED MEATS.—The ingredients of the formulas given in the *C. & D.*, July 6, p. 52, do not require cooking. The rice-powder is added to make the product whiter, and to give the proper consistency. Uncooked rice is certainly not readily digested, but the quantity taken is small, and we think the stomach will have no difficulty in dealing with it. We shall be glad to hear the result of your experiments with the formulas.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," July 15, 1868.

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Where a daily tonic is required, I prefer some other than quinia, for two reasons: first, it is not the best tonic; second, it is the best anti-periodic. Therefore I resort to some other salt or preparation of cinchona, especially the infusion, or the elixirs which are in such high repute at present, in their various combinations with iron and so forth. There are other vegetable tonics of great value, particularly when the system has become inured to the cinchonine preparations. I refer to serpentaria, colombo, gentian, etc., which are sadly neglected in these days of new things, when cinchona is the only tonic, and quinia is cinchona. Thirty or forty years ago the range of vegetable tonics was much wider than now, and they were preferred in the form of substance or infusion. The old doctors dosed their patients with delectable teas at the rate of a pint or a quart a day. But what did they know? Modern expectants have so vitiated the appetites of invalids with their microscopic granules of sugar medicated by "three shakes from above downwards" (*Hahnemann*) that if physicians dare to prescribe anything worse than ambrosia or nectar, their patients are likely to fall back on whisky.

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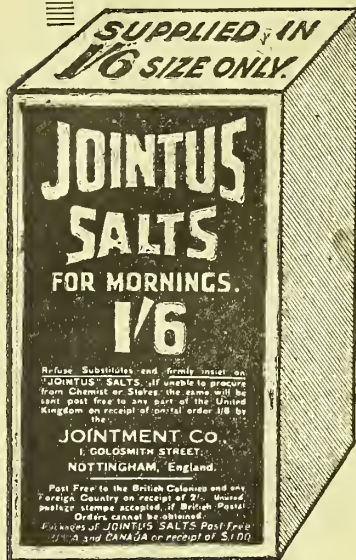
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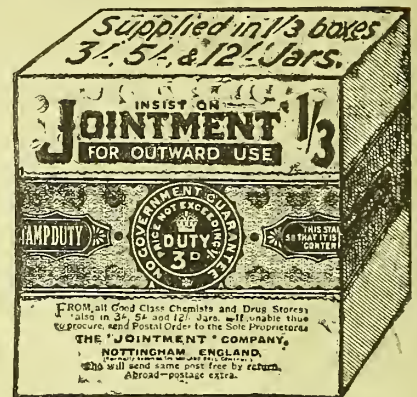
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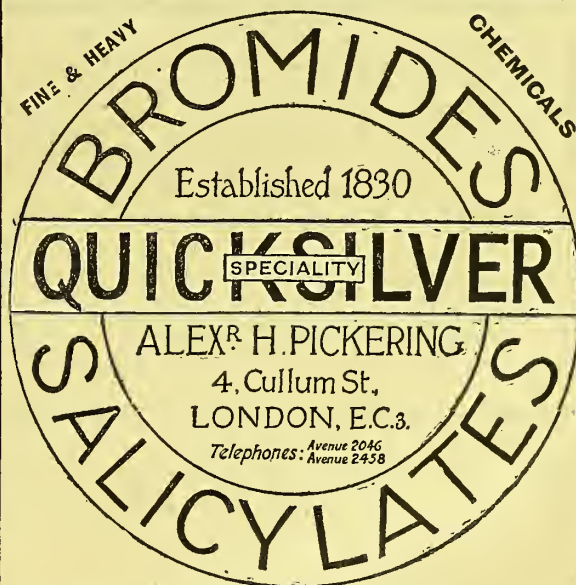
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6.—PICCADILLY (Near).—Dispensing and Retail Business; returns £1,200; gross profit £650 to £700; books open to inspection; the shop is well fitted and stocked; vendor is relinquishing on account of health; valuation terms entertained; excellent opportunity for pushing energetic man.

7.—LONDON, N.W. (Main Thoroughfare).—Good-class Business; Retail and Dispensing; net profit exceeds £500; well-appointed shop, nicely fitted and fully stocked; valuation terms would be considered, or lump sum offer.

8.—GLOS.—For immediate disposal, good-class Family Retail and Dispensing Business, with Photographic branch; the concern has been established upwards of 60 years, and held by vendor 43; now retiring; returns last year £1,764; gross profit £541; roomy house; price about £1,000, or valuation terms would be considered.

9.—UNIVERSITY TOWN.—For disposal, through death, good-class Dispensing and Retail Business, which is in close proximity to several colleges; the gross receipts show a steady increase, last year's turnover being £1,234; to effect a speedy transfer about the value of stock and fixtures would be accepted.

10.—LEEDS.—Retail and Dispensing Business, with N.H.I.; established upwards of 50 years; returns, present rate, between £1,500 and £2,000; price £750.

11.—MIDLANDS.—Well-established Business; returns £600 at fair prices; scope for development; double-fronted shop; rent £36, which includes residence; price £250.

12.—HANTS.—For immediate disposal, through ill-health, old-established Business; no serious opposition; returns about £900; small residence; rent £35; lease if wished; terms, valuation of stock and fixtures.

13.—NORTH STAFFS.—Ready-money Retail, with little N.H.I. Dispensing; established many years; returns last year £2,456; full investigation invited; rent £30; offer wanted.

14.—HOME COUNTRY.—Dispensing and Retail Business, all good class; returns exceed £1,500; net profit £520; stock and fixtures estimated at £900; vendor owns property; lease will be granted, or property may be purchased; price £1,200; good personal introduction would be given; vendor retiring.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

SOUTH LONDON; near City; busy thoroughfare; working class; no book debts; brisk cash business; fully stocked; June returns; £85; quick sale; cash £500; owner gone. Apply 212/26, Office of this Paper.

SOUTH WALES.—Retail and Dispensing Business, situate main road in small colliery district; house and garden attached; three minutes' from railway station; unopposed; excellent opportunity for further development; last year £1,200. Full particulars and order to view on application to 209/19, Office of this Paper.

BUSINESS for disposal; pleasant West Lancashire village; no opposition; doing over £1,000 per year; sell at valuation; about £250; splendid opportunity. Apply 211/13, Office of this Paper.

DEATH vacancy; Dispensing and Prescribing Business in Kent; 16 miles from London; no N.H.I.; returns about £1,000; convenient and well-kept shop in main street, and good living accommodation; low rent; suit elderly qualified man; old-established under late proprietor, and capable of considerable increase; prospective purchaser could arrange to manage for a month or two; valuation of stock and fixtures. Harris, Devon Wharf, Emmott Street, Mile End, E. 1.

FOR immediate Sale, through ill-health, Drug Stores, S.W.; profitable and progressive trade; suit qualified or unqualified; returns about £20 per week; no Photo or Optics; valuation, stock and fixtures; £200 or near offer; comfortable house; side entrance. "Cymro" (215/21), Office of this Paper.

GENUINE old-established Dispensing and Retail Business, centrally situated in spa town; returns £1,260; average profit; good lease and residence; side entrance; Pharmacy well fitted and stocked; terms, valuation of stock and fixtures; fullest particulars on application. Apply 210/27, Office of this Paper.

GOOD-CLASS Retail and Dispensing Business, with N.H.I. work, for disposal; within a few miles of Manchester; returns £700, increasing; will accept valuation of stock and fixtures; fullest investigation invited. Address 214/31, Office of this Paper.

IMEDIATE disposal through illness, proprietor retiring after 40 years, a small, good-class Dispensing Business in a large city in the West; private estate; ground covenanted; no possible opposition; rent £45; rateable value £38; detached house, eight rooms, 18 ft. by 13 ft., four smaller ones; lawn in front; no garden in rear; £600 cash down; less than a year's receipts; none but bona-fide purchasers need apply. Apply 213/34, Office of this Paper.

OLD-ESTABLISHED Business for Sale near London; returns about £1,800; can be largely increased; satisfactory reasons for disposal; a good opportunity for energetic man. Apply "X. Y. Z." (200/36), Office of this Paper.

OLD-ESTABLISHED Retail, Prescribing, and Dispensing; also Sight-testing Optician's business in North of England. Apply 118/36, Office of this Paper.

ONE or both of two small country Businesses (Lanes); both suitable as Chemists, or one as Druggists; established 1874; on panel. Apply 210/36, Office of this Paper.

OWING TO DEATH.—For Sale, the old-established Chemist's Business of the late Mr. Milner, 24 New Cross Street, West Bowling, Bradford, Yorks; stock at valuation; good house attached; established 38 years. Apply above.

WHOLESALE MANUFACTURING CHEMIST.—Exceptionally good Business for disposal; has four Agents selling direct, also large Wholesale buyers of advertiser's speciality; big demand all over Britain; excellent profits; sales to end of this year will easily be £5,000; could be doubled by man with some capital; owner had hopes of a huge business, but is now called up; trade marks, debts due to firm (£900), will be included; price £4,000 cash, and 10 per cent. of net profits for five years. "Enterprise" (122/51), Office of this Paper.

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1.—SOUTH MIDLANDS (Death Vacancy).—Unopposed, good-class country Retail; pleasantly situated; returns £1,350; net profit £367 clear; low rent; good house and garden; nearest opposition 7 miles; thoroughly well stocked; price £900.

2.—LANCS.—Sound Cash Retail, within three miles of Bury; present returns about £1,000; no panel; wine licence; very low rent; same hands many years; population 7,000; good chance for smart man; price £400.

3.—NORFOLK.—Unopposed mixed village Retail; returns about £1,150; run as a Drug Store; large house; rent only £20; fully stocked; price £300; illness sole cause of sale; suit unqualified or qualified.

4.—LONDON SUBURB, N.E.—Sound progressive cash Drug Stores in fine main road position; returns nearly £40 a week; no panel; excellent profits; convenient house and premises; well stocked; owner called up; price for quick sale £800; qualified man would soon increase; takings to £2,500.

5.—LONDON, N.—Good-class suburban Retail and Dispensing Business; returning £1,234 last year; good profits; fine corner shop, well fitted and stocked; good house and garden; owner retiring; price only £450.

6.—LONDON (Essex Suburb).—Very profitable cash Retail and Prescribing, with own specialities; returns £15 to £16 weekly, increasing; net profit over £300; low rent; fully stocked; price £475; part can remain; trial allowed.

7.—WEST LONDON.—Sound middle-class cash Retail; returns £26 weekly, plus N.H.L.; good profits; no immediate opposition; low rent; good house; price £350; half could remain if desired.

8.—SOUTH LONDON (Close to City).—Brisk Cash Business for disposal; returns nearly £40 a week; good profits; splendid corner position in busy main road; fully stocked; good modern premises; price £1,000; could arrange entry with £600 cash.

STOCKTAKINGS.

We are now booking dates for August, and appointments should be made early to avoid dates clashing. Terms sent on application. 45 years' practical experience.

SALE BY TENDER.

IN PRIZE.

By ORDER and for ACCOUNT of the MARSHAL of the ADMIRALTY.
We are instructed to SELL the undermentioned GOODS subject to the usual Government restrictions as to export. We shall be pleased to receive OFFERS at our address not later than Noon, August 7, 1918.

PERFUMERY.

EX S.S. KRONPRINSESSAN VICTORIA.
5×1 kilos Lily of the Valley for Soap 11
1×1 " Orange Synthetic
4×1 " Hyacinthin C
1×1 " Limettol half
1×1 " Labdanum, purified, extra
5×½ " Crisantol
1×½ " Tuberose Soapoil Compound A
EX S.S. STOCKHOLM.
5×1 kilos Oil Essbouquet for Soap
2×1 & 1×½ kilos Perenin
2×1 & 1×½ kilos Talcum Oil Honeysuckle
5×1 kilos Carniol
2×1 & 1×½ kilos Talcum Oil Jasmine
4×1 kilos Oil Neroli Synthetic
2×1 & 1×½ kilos Oil Neroli Synthetic S
(in bottles as above).

Full particulars may be obtained on application to the Selling Brokers,
ARTHUR BROWN & CO., 125 Bishopsgate, London, E.C.2.

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CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS,
45a MARKET STREET, MANCHESTER.
ESTABLISHED OVER HALF A CENTURY.
Telegraphic Address: "Tomtom."

SALES BY AUCTION.

SALE ROOMS, 62a ALDERSGATE STREET, LONDON, E.C. 1.

THE VALUABLE STOCK

of a
CHEMIST AND DRUGGISTS' SUNDRIESMAN AND SURGICAL
INSTRUMENT MAKER,
including

250 GROSS TOILET POWDERS IN TINS,
Comprising Tooth, Violet and Shaving Powders, Bath Salts,
Fullers' Earth, etc.

PACKED GOODS, comprising Liquorice Powder, Insect, Foot
and Moth Powders, Lime Creams, Brilliantine, Bay Rum, Toilet
Paraffin, Soap, etc., 1 cwt. Mag. Calcis Leviss, 1½ cwt. Mag.
Carb. Pond., 1 cwt. Alum, 1 cwt. Orris Root, 2 cwt. Soda Phos.,
2 cwt. Soda Sulph., 500 gross Tin Boxes, 300 Shop Rounds and
Contents, handsome set of Blue Dome Ointment Jars, Toilet Scaps,
Patent and Proprietary Goods, Personal Weighing Machine, and
other Utensils.

600 GROSS HYPODERMIC NEEDLES.

Forceps, Air Cushions, Syringes, Douches, Powder Puffs, Ther-
mometers, 5,000 yards Cyanide Gauze, 1,000 packets Esmarch's
Bandages.

30 dozen Heavy Green Glass Solution Bowls, Rubber Gloves,
Sponge Jars, 40 dozen Surgeons' Gloves, 500 Trusses, and a
large quantity of Medical Sundries, Chemists' and Druggists'
Fancy Goods, etc.

Plate-glass Show Cases, Shop Fittings, and Office Furniture,
which will be sold by Auction by

MR. FRANK G. BOWEN, at his Sale Rooms as above, on
THURSDAY, JULY 25th, 1918, at Twelve o'clock.

On view day prior and morning of Sale.
Catalogues may be had of the Auctioneer, 62a Aldersgate
Street and Hare Court, London, E.C. 1.

REMOVED FOR CONVENIENCE OF SALE.

SALVAGE AND LOST PROPERTY RECOVERED FROM
OCEAN-GOING STEAMERS.

1 and 2 TOTTENHAM SQUARE, TOTTENHAM ROAD, KINGS-
LAND, N.E. (Near Dalston Junction).

MR. WILLIAM F. LAING will Sell by Auction upon the
Premises as above, on TUESDAY and WEDNESDAY,
JULY 23rd and 24th, 1918, at Eleven o'clock precisely, STOCK
comprising 5 crates China and two cases Glass Tumblers, 1 ton
Leather, Leather Bags, Trunks, Kit Bags, 40 cases Drugs, 4 tons
Soap, 1 ton Paint and Dyes, 500 dozen Day and Martin's Dolly
Brushes, Blue, 3,000 dozen Boot Polish, 12,000 Boot Blacking Brushes,
1 ton Brimstone Powder, 30 cwt. Borax, 30 cwt. Grease, 100
gallons Oil, Varnish, and Resin, 4 tons Paper and Toilet Paper,
6,000 bottles Stephen's Ink, 30 cwt. Wax and Sealing Wax,
10 tons Canary Seed, Cloves, Aniseed, and Peppercorns, 50 bales
Corks, and a multiplicity of effects.

May be viewed day prior and morning of sale, and catalogues
obtained upon the premises and at the Auctioneer's Offices, 148
Whitechapel Road, London, E. 1, and Graham Road, Mitcham,
Surrey. Telephone, 3114 Central.

AGENCIES.

AGENTS required (commission basis) in London, Glasgow,
Liverpool, and Manchester, to dispose of 30 tons Cotton
Wool in 1 lb. rolls (interleaved) at a keen cut price; no difficulty
in disposing, as 40 tons have already been sold locally since
January. Apply "Aspirin" (202/9), Office of this Paper.

MESSRS. HARRIS, HARRIS & CO., 269 West End Lane, West
Hampstead (sole agents, Messrs. Amiot et Cie., Perfumers,
Paris), seek additional Agency, Show Rooms, Offices, etc.

WANTED, Sole Agency or Representation, London, by a quali-
fied Chemist (military exempt) of some business ability;
connection both Wholesale and Retail. Apply 212/20, Office
of this Paper.

BUSINESSES WANTED.

SMALL Cash Drug Store required, easily worked, and with house
accommodation (suit unregistered); cash down; balance by
reasonable instalments; neglected not objected to if scope for
increase; advertiser would act honourably, and those not so
disposed please ignore this advertisement. Particulars, in confi-
dence, to "Chemicus" (214/13), Office of this Paper.

WANTED (immediately), very small Country Business. It
does not matter how small or neglected, must have good
garden and comfortable house attached; South preferred, but
not essential; will owners or agents please send full particulars,
in confidence, to James, 11 Clarence Square, Brighton.

SITUATIONS OPEN.

RETAIL.

ASHTON-UNDER-LYNE.—Unqualified Assistant (outdoors) for Counter and Dispensing; hours 9 a.m. to 8 p.m., half-day holiday, no Sunday duty; locum or permanent. Phillips, Rycroft Pharmacy, Ashton-under-Lyne.

BALHAM.—Assistant required; ineligible or discharged; reliable, trustworthy, and capable; with knowledge of photography; abstainer preferred; good salary to competent man. Apply by letter, Cooper, Chemist, Balham, London, S.W.

BERKHAMSTED.—Wanted, lady Assistant for Dispensing and Counter. Please state experience and salary, etc., to Gibbs, Chemist, Berkhamsted, Herts.

BLACKPOOL.—Smart up-to-date unqualified Assistant in a quick light cash business for Counter; ineligible and temperate; photo if possible; state commencing salary, which is progressive; permanency; hours 8.30 to 8, Saturday 9, half-holiday. Gallo-way, 100 Church Street.

BOLTON.—Qualified Manager for Branch. Please apply, with usual particulars, to Waller & Riley, Ltd., Chemists, Bradshawgate.

BRECON.—Immediately, for about two months, to assist during holidays and liberate proprietor for Military Hospital Dispensing; lady or gentleman; preferably qualified. Frank L. Stanton, M.P.S., F.S.M.C., Brecon.

BRIGHTON.—Lady Assistant required for good-class Family trade, and able to assist at Counter; must be able to do good-class work. Full particulars and salary required, experience, etc., to Simpson, 135 Queen's Road, Brighton.

CARDIFF.—Qualified Assistant required as Branch Manager; also vacancies for unqualified Assistants. Full particulars to Duck & Son, St. John's Square, Cardiff.

CITY.—Assistant required for high-class Dispensing and Retail; short hours; no duties. Apply J. E. Southon, 8 Leadenhall Street, E.C. 3.

CROYDON.—Locum Assistant wanted for two weeks in August; capable to take charge Dispensing and General Retail. Apply, stating references, etc., Chemist, 77 High Street, Croydon.

DEVON.—Qualified Manager required, for duration of war, to work Light Dispensing and Retail; Photographic and Veterinary business; easy hours, no Sunday duty. State salary (indoors or outdoors) and full particulars to 211/31, Office of this Paper.

DEVON (Seaside).—Wanted, a thoroughly reliable outdoor Assistant (ineligible); knowledge of Photography essential; easy hours; Sunday duty nominal. Gosney, "Rothesay," Seaton, Devon.

DARLINGTON.—Experienced lady Assistant required; qualified or unqualified; good salary paid. Apply, stating age, experience, and salary required, to Waters, Chemists, Darlington.

EASTBOURNE.—Wanted, lady or gentleman Junior Assistant (outdoors) for high-class Dispensing business. State salary, with usual particulars, enclosing carte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

GRIMSBY.—Required, young lady or gentleman (discharged soldier) Assistant; Hall qualification; easy hours; good salary. Apply Barkers, Chemists, Grimsby.

GUY'S HOSPITAL, LONDON, S.E. 1.—Sixth Dispenser wanted (at once); Minor qualification essential; salary £130 per annum. Apply the Acting Pharmacist.

KINGSTON-ON-THAMES.—Experienced Assistant in good-class Pharmacy (lady or gentleman); help in the management; supervise Dispensing; able to handle customers well; lady Assistant and lady Dispenser on the staff; no Sunday duty. Kindly state salary required and full particulars to Tamplin & Son, Eden Street, Kingston-on-Thames.

LONDON.—Assistant wanted for good-class Retail and Dispensing business; lady or gentleman (outdoors). Apply, giving usual particulars as to experience, salary required, etc., D. T. Davies, 567 Finchley Road, Hampstead, London, N.W. 3.

LONDON (Middle-class Suburb).—Qualified Manager wanted; permanency; energetic, steady, reliable; liberal salary (minimum £5); good references essential; ineligible. Call or write, Briggs, Chemist, 126 Hoe Street, Walthamstow.

LONDON, N.E.—Competent Manager; outdoors; ineligible. State salary and references, "B. T." (214/21), Office of this Paper.

LONDON, N.W.—Wanted, a Junior Assistant; lady or gentleman; unqualified; in- or out-doors; one accustomed to brisk Retail preferred. Apply, with full particulars, salary expected, W. C. Tucker, 1 Ashdown Street, Queen's Crescent, N.W. 5.

LONDON, N.W.—Assistant required (lady or gentleman) for Dispensing and Counter. Apply, stating experience, etc., Berry, 96 Craven Park Road, Harlesden, N.W. 10.

LONDON, S.E.—Wanted, smart Assistant, qualified or unqualified, for Counter and Dispensing (male or female); also female Assistant (experienced preferred) to take charge of Toilet and Sundries Counter; good and progressive salaries to approved applicants. Apply, J. Milner, 209 Trafalgar Road, Greenwich.

LONDON, S.W.—Assistant wanted (lady or gentleman); Counter, Dispensing, and Stock. Apply F. R. Barlow, Pharmaceutical Chemist, Loughborough Junction, S.W.

LONDON, W.—Young lady Assistant required; must have had good Dispensing and Counter experience; comfortable berth; good salary. Apply 211/153, Office of this Paper.

LONDON, W.—Part-time Assistant (lady or gentleman) wanted for a Dispensing business. W. McEwen, 17 Craven Road, Paddington, W. 2.

LONDON, W.—Lady Assistant wanted for Dispensing and Counter duties; must be a good Dispenser and have had previous business experience; hours 9 to 6, Saturdays 1 o'clock. Apply, with particulars of experience and salary required, to Hospital and General Contracts Co., Ltd., 19-35 Mortimer Street, W.

LONDON, W. 2.—An experienced man as Dispenser; exempt from military service. Also young lady with knowledge of Patent Medicines and Toilet articles for Front Counter; outdoors; short hours. Apply E. C. Evans, Pharmacist, Whiteleys, Queen's Road, W. 2.

MAIDA VALE, W.—Assistant; well up in Dispensing; outdoors (if a gentleman, must be ineligible for military service). Apply John Keall, 241 Elgin Avenue, Maida Vale, W.

MALVERN.—Assistant; accustomed to Dispensing and good-class Retail. Kindly state full particulars as to experience, salary required (outdoors), etc., to A. Mander, The Belle Vue Pharmacy.

MANCHESTER.—An Assistant, accustomed to good-class business, required for the Retail Counter. Apply, with particulars of experience, age, and salary expected, to Mr. Blackburn, Mottershead & Co., 7 Exchange Street, Manchester.

MANCHESTER.—Wanted, elderly or exempt, qualified man; good wages. Apply 213/20, Office of this Paper.

PLYMOUTH DISTRICT.—Unqualified Assistant wanted; reliable Dispenser and Counterman; very convenient house provided off the premises; no Sunday duty; permanency. Full particulars to Stephens & Graham, Ltd., Plympton, Devon.

SOUTH WALES.—Qualified Manager required for progressive business situate about 17 miles from Cardiff; Welshman preferred; good salary and commission offered. "S. W." (211/150), Office of this Paper.

SALTBURN-BY-THE-SEA.—Wanted, for August and September, lady Assistant. Apply, stating experience and salary, to Middleton & Co., Chemists, Saltburn-by-the-Sea.

SHANKLIN.—Junior (ineligible) or young lady Dispenser wanted (at once); qualification unnecessary, but reliable Dispenser essential. Ashfield, Pharmaceutical Chemist, Shanklin.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

STOKE-ON-TRENT.—A competent Assistant, lady, or gentleman ineligible, wanted; must have had good training and experience, and good address; outdoors. Also a young lady for putting up Stock, Packing Proprietaries, and Bookkeeping in small Wholesale department; give usual particulars and references. Apply Edmund Jones, Miles Bank, Hanley, Stoke-on-Trent.

SOUTH WALES.—Young lady Assistant required for business within 17 miles of Cardiff; must be a capable Dispenser and good Counter hand; permanent position, with a share of the profits offered. Apply "S. W." (128/6), Office of this Paper.

WEST OF ENGLAND.—Wanted, Assistant for good-class Chemist's business; short hours, no Sunday work. Apply 129/20, Office of this Paper.

WEST RIDING (Good Healthy District).—Capable qualified Manager required for a sound Family Retail business, which is doing well; good salary, with a liberal interest in the profits offered. Apply 211/154, Office of this Paper.

WEST RIDING, NEAR BARNESLEY.—Young lady Assistant required; must be a good Dispenser; comfortable permanency; good salary. Apply 211/152, Office of this Paper.

A CAPABLE unqualified Assistant, ineligible for military service, to take up responsible position in a large Retail and Dispensing business in the Midlands; easy hours, no Sunday or night duty. Apply 211/4, Office of this Paper.

A KEEN and competent lady Pharmacist wanted for good-class Dispensing business in residential suburb near Manchester; good Counter experience essential; one able to take control in absence of principal; knowledge of Photography useful; moderate hours; a good progressive position is open to a capable and go-ahead lady of energetic and businesslike habits. Full particulars of experience, in confidence, to 211/21, Office of this Paper.

A QUALIFIED Manager wanted for N.E. district; good comfortable permanency; liberal salary and commission; energetic, and with good references. Johns, Chemist, 585 Lea Bridge Road, N.E.

ASSISTANT (male or female) for N.H.I. Dispensing and Counter work. Apply F. White, Ltd., Chemists, 157 Commercial Road, E.

ASSISTANT wanted for best-class Dispensing Business; lady or gentleman; hours 9 till 7; outdoors. Jeffries, Chemist, Guildford.

ASSISTANT required (at once); lady or gentleman (outdoors); Dispensing and Retail; easy hours. Apply, with full particulars and photo if possible, C. Bayley, Pharmacist, Uppingham, Rutland.

ASSISTANT required for Dispensing Counter and Stock; not necessarily qualified; in- or out-doors; three others kept. Please state full particulars to C. W. Higgins, 47 Market Place, Salisbury.

ASSISTANT wanted from August 14th for two or three weeks; outdoors; light duties. State terms, H. J. Aubrey, 25 The Cross, Worcester.

ASSISTANTS wanted (unqualified) for City, lady or gentleman, for Counter and Stock. Apply, with full particulars, or call, B. Hooper & Co., 43 King William Street, London Bridge, E.C. 4.

ASSISTANT, lady or gentleman, in a Light Retail and Dispensing business; hours 9 to 7, Wednesdays 1, Saturdays 8, no Sunday duty. Send usual particulars to Thompson, Pharmaceutical Chemist, 51 The Grove, Ealing, London, W. 5.

ASSISTANT; qualified or unqualified; either sex; hours 8.45 to 6.30, Wednesday 1 p.m., no Sunday duty; no N.H.I. work. Apply, stating age, experience, and salary required, to Middleton & Co., Chemists, Middlesbrough.

AT once, an Assistant (lady or gentleman) to live over shop; unfurnished rooms, coal and gas found; qualification not essential; easy hours; permanency desired. Walwin, Chemist, Gloucester.

DISPENSER; capable, wanted for few days from August 17th. Boon, Chemist, Wallsend 11.

CHARLES MIDGLEY, LTD., 90 Mosley Street, Manchester, require competent Assistant for City business; good Dispensing experience essential. Please address replies to Mr. Kirby.

DISPENSER.—First Assistant required; either sex; Hospital experience essential; salary according to qualifications. Applications should be sent to the House Governor, from whom detailed information may be obtained.

DISPENSER (lady), experienced; also male Dispenser, discharged from Army or ineligible. Apply A. Cooper, Cooper, Son & Co., Ltd., 80 Gloucester Road, South Kensington.

DISPENSER required; hours 9-12 a.m. and 5-8 p.m. Apply, giving full particulars and salary required, to Dr. Toland, Bruce Road, Bow, E. 3.

DISPENSER-BOOKKEEPER wanted by Doctor to live in; previous experience unnecessary, but must be neat, tidy, and methodical. Apply by letter to Dr. J. A. Butler, 269 Goldhawk Road, W. 12.

DOCTOR requires lady Dispenser; qualified not necessary; morning and evening. Dr. Smith, 44 Whiteheads Grove, Chelsea, S.W.

EXCHANGE holidays; would be glad to hear from any proprietor who is willing to arrange holiday for September on-exchange basis; minimum of work required and desired. Apply 214/14, Office of this Paper.

EXPERIENCED Assistant required; outdoors; short hours; good salary. Apply to Mr. Marshall, c/o John Bell & Croyden, 50 Wigmore Street, W. 1.

GOOD opening for a young qualified man; either rejected, discharged, or Grade 3; permanent and lucrative posts. "H. L." (211/151), Office of this Paper.

INSURANCE PRICING.—A lady, with knowledge of Dispensing, required in connection with the Pricing of N.H.I. Prescriptions; previous experience an advantage. Apply "X. Y. Z." (206/25), Office of this Paper.

JUNIOR Assistant, lady or gentleman, to fill war vacancy (immediately). State age, height, experience, salary required (outdoors), enclose references, Milton & Son, 265 High Street, Exeter.

JUNIOR Clerk required in City house for credit desk. Apply by letter to 129/101, Office of this Paper.

JUNIOR wanted; good Dispenser; ineligible or discharged soldier or lady Assistant. State salary and experience to C. J. Allan, Chemist, Redcar, Yorks.

LADY Dispenser required; Hall certificate; experienced. Apply by letter, giving full particulars of experience, to Staff Manager, Harrods, Ltd., 44 Hans Crescent, S.W.

LADY Assistant required, principally for Counter, in high-class Family Retail and Dispensing business; outdoors. Apply, stating age, experience, and salary required, also enclosing photograph if possible, S. Browning Moss, West Byfleet, Surrey.

LADY Assistant required in high-class Dispensary and Retail Pharmacy. Apply, stating salary and with reference, to Neve & Co., Proprietor Harold E. Skyrme, 12 Wellington Place, Hastings.

LADY Dispenser wanted; N.H.I. qualification; good wages. Jessop, Chemist, Chasetown, near Walsall.

LADY Dispenser for three weeks or a month (August); no Saturday or Sunday duty, Wednesday about 1½ hours, very light Thursday, and Friday afternoon only, Monday and Tuesday both afternoon and evening; must be experienced; £2 per week. Apply 130/24, Office of this Paper.

LADY Dispenser, Hall qualification, wanted (at once) for good-class and N.H.I. Dispensing. Apply, with full particulars, to Ekins & Fisher, Market Place, St. Albans.

LADY Dispenser, competent and qualified, wanted; salary offered £3 weekly. Particulars of experience and references to Lloyd, 323 Coventry Road, Birmingham.

LOCUM (qualified) wanted for two weeks after August 10th; no Sunday duty; outdoors. State terms and references to "H." 591 Old Kent Road, S.E. 15.

LOCUM wanted (immediately); personal interview necessary; Retail business, Prescribing, N.H.I., and some Photographic; engagement for one or two months to suitable applicant; outdoors; hours of business 9 o'clock-8 p.m., Saturdays 9, close Thursdays 1, Sunday evenings 6.30 to 8 o'clock. Apply D. L. 257 High Street, Ponders End, Middlesex.

LOCUM for four weeks during August or September; outdoors; no N.H.I. or Sunday duty. State terms and references to Liversidge, Chemist, Concy Street, York.

LOCUM (qualified) wanted for two weeks from August 12th or 19th, for London Poor-law Dispensaries; hours 9 to 6; outdoors; no Sunday duty; salary £4 weekly. Please apply 209/23, Office of this Paper.

LOCUM (qualified) required, end of July or early in September, for one week; middle-class suburban business. Full particulars (salary, references, etc.), to Weatherill, 73 Springbank Road, Hither Green, S.E. 13.

LOCUM wanted by end of July; Lancashire. Apply 211/130, Office of this Paper.

LOCUM or Temporary Assistant wanted to help over holidays; earliest possible date from now until the end of September. Apply, with full particulars, to Gregory & Wrenn, Chemists, Taunton.

LOCUM required for two weeks; August or September, preferably August; outdoors; reasonable hours, no Sunday duty. Applicants are requested to state, in first instance, recent references and salary required, Walter Reeson, 80 High Street, Erith, Kent.

LOCUM wanted for one month in London; qualified or unqualified. Williams, 287 Queen's Road, Peckham, S.E. 11.

LOCUM, qualified, good reference essential, wanted (immediately) one or two weeks. Apply, with terms, H. Lester, 64 Great Titchfield Street, London, W. 1.

LOCUM (qualified) required for a fortnight; North Country business; easy hours; no extra duty. Terms, etc., 214/8, Office of this Paper.

MANAGER (qualified) wanted at once for good-class business, Witham, Essex; only Chemist; easy hours; good house attached. Apply, giving age, category, experience, references, and wages required, to T. Bellamy, Pharmaceutical Chemist, Chelmsford.

MANAGER, qualified, lady or gentleman, for Richmond Hill Pharmacy. Apply Rex Blanchford, Chemist Optician, 76 High Street, Wimbledon, S.W. 19. Phone 543.

MANAGER (ineligible) wanted for Retail business, North of England, four miles from Coast; qualification (Minor) preferred, but not essential. Reply, giving terms, references, and full particulars, 215/25, Office of this Paper.

WANTED, a lady Dispenser with experience of Surgery work. State age, qualification, salary required (rooms and attendance provided), to Dr. Graham, 13 Queen street, Wigan.

WET COUNTER.—First Hand wanted; a man with Retail experience entertained; permanent situation. Apply, stating age, experience, and wages required, to Secretary, General Apothecaries' Company, 49 Berners Street, W. 1.

MESRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

OUTDOOR Assistant for Light Retail and Dispensing; reasonable hours; must be good man; none other need apply; progressive salary and permanency to suitable man; other Assistants kept. Please state salary and qualification, Massey, Chemist, Bradshawgate, Bolton.

PART-TIME Assistant for London (North); hours can be mutually arranged. Apply 213/32, Office of this Paper.

POINGDESTRE & TRUMAN require a qualified Assistant for a City Branch; hours 9 a.m. to 6 p.m. Also a Temporary Assistant for about two months (no ladies). Apply to 71 Old Kent Road, S.E. 1.

QUALIFIED lady Pharmacist required to assist in good-class Pharmacy, Counter, and Dispensing; hours easy, duties light; temporary berth or permanency; two stations from Cardiff; wages £3 weekly. Wire or write, T. E. Williams, Ltd., Chemists, Caerphilly, near Cardiff.

QUALIFIED Locum wanted (end of August). Apply, with reference and salary, to Thomas, Chemist, Faversham.

QUALIFIED lady Dispenser wanted (at once) to live at Branch Surgery two miles off and Dispense at both Surgeries; rooms, fire, and light provided; state salary required; state also if prepared to give tuition to children under ten years. Dr. Wynne, Northiam, Sussex.

QUALIFIED Chemist to manage a busy Branch in the centre of a populous town near Birmingham; easy hours, no Sunday or night duty; commission on profits. Applicants should send full particulars of past experience, stating age and salary required, 211/40, Office of this Paper.

QUALIFIED Locum for South London suburb, six weeks to two months, soon as possible, with view to permanency; applicant must be discharged from Army or otherwise ineligible; good salary and exceptional prospects for a steady reliable man. In reply kindly state age, references, etc., to 213/24, Office of this Paper.

QUALIFIED Locum wanted from August 8th to August 22nd (inclusive); outdoors. Please state terms and recent references in first instance; good-class Dispensing business. A. Lloyd Davies, Chemist, Woking.

QUALIFIED Manager for branch business at Weston-super-Mare; also Dispenser (lady or gentleman) for Bristol business. Apply Managing Director, Henry Hodder & Co., Ltd., 5 Nelson Street, Bristol.

QUALIFIED, lady or gentleman (if latter, must be discharged or ineligible), to manage business whilst owner is on service; references must bear strict investigation. Give full particulars in first application (by letter only). Applications not replied to within four days, please consider respectfully declined. Clark, Chemist, Stevenage.

REQUIRED, Dispenser, either sex, in large West-End house; hours of work 8.45 til 6; and 1 o'clock Saturdays, no Sunday duty. Apply, stating full particulars of past experience and salary required, to the Manager of Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

REQUIRED, lady Assistant for Counter, with good knowledge of Drugs and Toilet articles; good salary and commission on sales. Apply personally, or by letter, to the Manager of Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

REQUIRED for South Coast, high-class Family trade, unqualified Assistant; must be smart Counterman and good address; 60s. per week; free house and commission. Full particulars, when disengaged, medical classification, age, etc., to Simpson, 135 Queen's Road, Brighton.

REQUIRED, Invoice Clerk (male or female); good prospects. State particulars, in confidence, and salary required to "Borax" (129/10), Office of this Paper.

SURGICAL INSTRUMENT BUSINESS.—Assistant for Shop Counter; state age, other duties accustomed to, and wages expected. Reply "Surgical," Lee & Nightingale, Liverpool.

TRUSS Fitter wanted (man) in Birmingham; one with a knowledge of fitting Belts, Hosiery, etc., preferred. Apply 213/29, Office of this Paper.

WANTED, qualified elderly gentleman; comfortable position. Apply 207/2, Office of this Paper.

WANTED, an Assistant, male (ineligible for military service) or female at once. Apply with photo if possible, stating age, salary, and references, to W. H. Dunford, Pharmacist, 8 North Street, Bedminster, Bristol.

WANTED, well-educated qualified Senior, accustomed to a high-class Dispensing business; outdoors; three kept; hours of business, 8.30 to 7. Apply to Mr. Lewis, Chemist, Ealing, W. 5.

WANTED, capable Assistant; either sex; must have good references. State age, experience, and salary required, R. Needham, Chemist, Stalybridge.

WANTED, qualified Managing Assistant as Supervisor; hours easy and light duties; permanency. "Radix" (213/9), Office of this Paper.

WANTED, gentleman to take charge; August 6th to 17th (inclusive); light duties; no Sunday work. Leverett & Frye, Ltd., Drug Department, North Finchley, N. 12.

WANTED, for about two months for the holiday season, lady Dispenser; outdoors; previous experience in a Pharmacy necessary. Apply with full particulars, to Quibell, The Station Pharmacy, Golders Green, N.W. 4.

WANTED, a lady Dispenser as Locum for month of September; must be qualified and have had experience. Apply 214/26, Office of this Paper.

WANTED, evening assistance; male or female; Dispensing and general work; hours 5 to 8. Apply Russell Jacks, Pharmaceutical Chemist, 161 Gower Street, W.C. 1.

WANTED, qualified Assistant (ineligible for Army); competent to take charge when required; Retail business; cash trade; salary £5 week; undeniable references; state age, when at liberty, etc.; required in about a month; near London. Apply 213/300, Office of this Paper.

WHOLESALE.

CHESTER.—Assistance at once, or before September; also Stockkeeper for warehouse; applications invited from discharged men. Particulars of experience, salary required, to Milling-Johnson, Ltd., Chemists, Chester.

LONDON house putting up standard article, having ready sale, want Representative calling on trade; a side line of exceptional merit. Write full details in confidence to "Z.K. 295," Deacons, Leadenhall Street, E.C. 3.

MANCHESTER Wholesale has vacancies for experienced Stockkeeper; also Assistants in Wet and Dry Rooms; military ineligibles preferred. Wages and references to 213/16, Office of this Paper.

ANALYTICAL Chemist (Soap, Oils, and Fats) required by a London firm; progressive position; good opportunities. Reply, stating age, experience, and salary required, Z.P. 257, care Deacons, Leadenhall Street, E.C. 3.

ASSISTANTS wanted by London house for Dry Counter; also for Laboratory Galenicals. Apply, stating previous engagements, age, and salary required, to "Export" (129/46), Office of this Paper.

BACTERIOLOGICAL Assistant wanted; good salary to competent man. State experience, age, etc., to "Bacillus" (127/71), Office of this Paper.

BOTTLE MAKERS WANTED.—Well-known firm are desirous of having two thousand gross half-ounces white flint squares made from own mould; prompt cash settlement. Apply 197/180, Office of this Paper.

CAPABLE gentleman (under 40) required shortly by a progressive City firm manufacturing and dealing in Chemist's Sundries, Toilet and Manicure Requisites, etc. (Wholesale); the position offers good prospects to energetic man with initiative, who is able to assist in the supervision of various departments already organised, and to conduct correspondence, etc.; experience of high-class modern Chemist's requirements an advantage. Apply "Z." (129/21), Office of this Paper.

EVANS, GADD & CO., LTD., require at once an Assistant (preferably qualified, but this is not essential), male (ineligible or discharged) or female, for their Manufacturing Laboratories; good salary and prospects. Apply, with full particulars of experience and references, to H. Wippell Gadd, 100 Fore Street, Exeter.

EXPERIENCED Works Research Chemist requires position with firm engaged on war work. Apply 204/38, Office of this Paper.

EXPERIENCED Invoice Clerk (male or female) required; also Under-Warehouseman and Wet-counter Hand. State wages and experience, 202/40, Office of this Paper.

FACTORY Manager (ineligible) required by well-known Food Manufacturing Company; must be competent to take full charge of all work and labour; experience in connection with packing small packets in large firm most essential; good salary will be paid to the right man. Write, stating age, salary required, and full particulars, of experience, to Z. F. M., care Deacons, Advertising Offices, Leadenhall Street, E.C. 3.

GENTLEMAN, 45, qualified, wishes to represent good house; whole or part time. "Pharmacist," 9 Claverton Street, S.W.

LADY Chemist, qualified, to undertake occasional analysis and otherwise generally conversant with compressed Drugs; hours 9 a.m. to 6 p.m., and 1 o'clock Saturdays. Apply, giving full particulars to "L. D. Y.," Office of this Paper.

LIGATURES Assistant required, with or without experience (either sex), to take charge of department; progressive situation for one taking an interest in the work. Apply, giving particulars in confidence, stating age and salary required, to Hatrick, 70 St. John Street, E.C. 1.

PRACTICAL Chemist and Analyst required, with actual experience in the manufacture and testing of Synthetic, Medicinal Chemicals and Organic Salts, such as Benzoates, Citrates, etc.; a liberal salary will be paid to a really capable man. Apply, with full particulars of experience, etc., to "F. C. S." (212/2), Office of this Paper.

REQUIRED, Salesman, with thorough knowledge of Wholesale and Export Chemical and Drug trade (ineligible for military purposes); good opportunity for smart man. All particulars to R.S. 734, care Deacons, Leadenhall Street, E.C. 3.

THE TOZANA PERFUMERY CO. are open to engage a Representative for the Scotch ground; the man required must have a good connection amongst Hairdressers, Chemists, and Stores, and the present connection will be handed over to him; salary, commission, and travelling expenses; N.E., and with first-class references only; living on the ground preferred. Apply by letter to "Tozana" House, London, W.C. 1.

TYPIST required for Order Department of City Wholesale Druggist; also Junior Shorthand Typist. Apply by letter, giving full particulars and salary required, to 129/100, Office of this Paper.

UNDER-WAREHOUSEMAN in London Wholesale Drug house; good wages. Apply, with full particulars, to 119/15, Office of this Paper.

WANTED. man for small Wholesale business to manufacture packed lines and generally superintend; experienced, and not liable to military service preferred. Apply, stating experience and salary required, to J. Milner, 209 Trafalgar Road, Greenwich.

WANTED. Assistant to make Pharmaceutical preparations, dispatch orders, and keep stock in growing Wholesale business; good opening for energetic and capable man; state fully experience and salary required. Apply by letter, "Druggist," 77 Cannel Street, Manchester.

WET and Dry Floor Assistants required; good wages. Apply, with full particulars, to 119/150, Office of this Paper.

WORKS Chemist required, with Manufacturing experience of fine Chemicals; one thoroughly conversant with up-to-date methods and plant essential. Replies, which will be treated in strictest confidence, should state applicant's age and past experience, giving particulars of products actually made on commercial scale; excellent prospects for right man. State salary required to "Z. M. N.," care Deacons, Leadenhall Street, E.C. 3.

WORKS Manager required (at once) for Chemical Factory. Must have had good experience with a Wholesale Chemist and be competent to take entire charge. State age and salary required to "Works Manager" (211/15), Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

EGYPT.—Manager, qualified (or unqualified, with good commercial training and general education), required for first-class Retail Drug Stores; knowledge of French or Italian desirable. Write, in first instance, to 127/39, Office of this Paper, stating age and experience, Interview London.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

[HOME.]

RETAIL.

A LADY (holding the Apothecaries' Hall certificate) wishes to obtain post as Assistant Dispenser in a Hospital. Write Miss E. N. Grant, Hale Edge, South Nutfield Surrey.

ADVERTISER, desiring change, wishes situation as Manager in September; qualified; all-round experience; Extractor, Prescriber, Dispenser, N.H.I., etc.; live over shop; anywhere north of the Trent; market town or seaside preferred. Apply 122/14, Office of this Paper.

ADVERTISER, 49, exempt, experienced, energetic, immediately as Manager of Drug Store or Branch; London preferred; permanency; with or without ultimate interest; unregistered. Address "Experience" (129/62), Office of this Paper.

ASSISTANT requires situation; good experience in Dispensing and Retail. State salary, etc., 211/19, Office of this Paper.

ASSISTANT requires post (at once); Grade III.; unqualified; 33; N.H.I. Dispensing; Derbyshire preferred. Apply 213/40, Office of this Paper.

BRANCH Manager; qualified; exempt; married; successful business man; £5. "Vim" (212/37), Office of this Paper.

BRISTOL OR DISTRICT.—Lady Dispenser, qualified, ten years' experience, requires post as Locum, Doctor, or Institution. 38 Alfred Hill, Bristol.

CHEMIST seeks management or succession; 48; Optics and Dentistry if necessary. Apply 209/38, Office of this Paper.

CHEMIST; experienced London Manager; age 48; live man; highest references; salary £350. Apply 203/101, Office of this Paper.

DISENGAGED 20th; Locum; permanency; excellent experience; references. "Chemist," 47 Wilton Avenue, Southampton.

DISPENSER, Hall certificate, desires temporary work; preferably with Doctor or in Hospital. Apply A. P., The Hollies, Tettenhall, Staffs.

DISPENSER, good references, seeks post; Locum or part-time preferred. Apply 214/20, Office of this Paper.

DISPENSER-BOOKKEEPER; lady desires post with Doctor; disengaged September; three years' all-round experience. References, "S. M.," 7 Ellesmere Terrace, Woodlands Road, Middlesbrough.

ENTIRE management required by Pharmacist, with ultimate view to purchase; good-class Dispensing and Photographic, doing over £1,000. Full particulars to 212/70, Office of this Paper.

EXPERIENCED Assistant, Dispensing and Counter, with N.H.I., 36, tall, desires situation in London; married. Apply 212/39, Office of this Paper.

GENTLEMAN, M.P.S., desires responsible position as Manager; First-class Counterman; expert Window-dresser; quick and accurate Dispenser if desired; age 29; height 6 ft.; of good appearance, birth and education, character bears strictest investigation; state salary offered. Apply 214/190, Office of this Paper.

GOOD management or interest in business; qualified; 48; exceptional ability; highly recommended. Apply 209/380, Office of this Paper.

L.P.S.I.—Excellent all-round man, exceptional experience Prescribing, Buying, and Selling, wants situation (in Ireland). Manager or otherwise, at remunerative and progressive salary; trustworthy; tetotalter; or would purchase going concern. Apply 214/24, Office of this Paper.

LADY, unqualified, five years' experience, seeks situation; Dispensing and Retail; salary £150; reasonable hours. "W. B." (201/15), Office of this Paper.

LADY requires post as Dispenser in or near Manchester (at once); no previous business experience. Apply 214/30, Office of this Paper.

LADY, experienced Dispensing, Counter, desires post; whole or part time. "L.," 41 Radpole Road, Fulham, S.W.

LADY requires situation to Chemists; any capacity. M. Williams, 37 Burgoyne Road, Harringay, N. 4.

LADY Dispenser, Hall certificate, requires post with Doctor; experienced; excellent references; disengaged now. Amison, "Fairlawn," Blyth Bridge, Staffs.

LADY; 35; Doctor's Dispenser, books, Surgery; eight years' experience; indoors or out; free end August. Please state salary and hours, 213/12, Office of this Paper.

LADY Dispenser, Hall certificate, requires post; Doctor or Chemist (part-time); South of England preferred. Apply Allanson, 1 Church Cottages, Pyecombe, Sussex.

LOCUM or permanency; qualified; married; Grade 3; last situation three years sole charge; Sheffield district preferred, but not essential; good references; good salary required. Chemist, 95 Fargate, Sheffield.

LOCUM; Doctor, Institution; abstainer; highest references. "Qualified," 50 Woodside Park Road, N. 12.

LOCUM; qualified; free August; Manchester district only. Terms, etc., to "Pharmacist," 17 Brighton Street, C.-on-M., Manchester.

LOCUM; experienced; qualified; two or three days weekly or part-time Managership London; one or two weeks seaside. State terms, 211/22, Office of this Paper.

LOCUM; Dispenser; Hall qualification; Bookkeeping, Dressings, care of Instruments, etc.; experienced; good testimonials; free July 31st to August 19th; S.W. district. Address Miss E. Davies, 102 St. John's Hill, Battersea, S.W. 11.

LOCUM; qualified; free from July 20th to August 1st; thoroughly experienced. Alfred Thomas, M.P.S., 25 Eccles Road, Clapham Junction, S.W. 11

LOCUM, 12 days August, all-round experience, shortly after good permanency; N.W. Counties. Apply 213/25, Office of this Paper.

LOCUM; qualified; elderly; Liverpool or North Wales district; disengaged August 1st. "W. H." (212/38), Office of this Paper.

LOCUM Dispenser (Hall); experienced; disengaged August; seaside preferred. Miss Saul, 43 Cambridge Road, West-cliff, Essex.

LOCUM; qualified; disengaged until August 24th. Snoxell, 75 Woodbridge Road, Guildford.

LOCUM; August, September, October; unqualified; 29; rejected. State terms, "C. W.," 276 Upland Road, East Dulwich.

MANAGER; qualified; 47; long experience. Sidebottom, 78 Burlington Road, South Shore, Blackpool.

MANAGER; Locum; disengaged 27th; Major; 6 ft.; 51. "Locum," 19 Bank Street, Carlisle.

MANAGER or other post of trust; age 44; ineligible; good record. Full particulars to 212/7, Office of this Paper.

MANAGER; qualified; experienced; 32; Grade 3; good-class Dispensing and Photographic; with view to succession preferred. Full particulars to 212/7, Office of this Paper.

MANAGERSHIP wanted by qualified Pharmacist; 39, married, abstainer; Grade 3, with West-End and Store experience. Jones, Woodcote, Senga Road, Hackbridge, Surrey.

MANAGERSHIP; abstainer; 14 years' high-class West-End, provincial, Continental, and Photographic experience. Apply "Energy" (208/37), Office of this Paper.

MILITARY Service Act, 1918.—A. qualified Pharmacist, age 50, low grade classification, wishes to correspond with a gentleman in business who is being called up, with a view to substitution; wide experience; A1 references. Apply "Reliable" (214/2), Office of this Paper.

PHARMACIST would like to see his present Manager well placed; very responsible and reliable; good business getter; qualified and experienced. Apply 209/382, Office of this Paper.

PROGRESSIVE Pharmacist, wide experience, linguist, business builder, seeks permanency, London or near, where first-class work will be satisfactorily appreciated; suit Pharmacist who wishes to leave business in capable hands. "Ambitious" (210/1), Office of this Paper.

QUALIFIED, 27, abstainer, energetic, Army discharge, desires Membership of middle-class Pharmacy; North preferred. Apply 211/3, Office of this Paper.

QUALIFIED, 45, married, desires position as Manager of small business in provincial town. Apply 210/35, Office of this Paper.

QUALIFIED; 47; management or would buy; splendid references. London preferred. State terms, 209/383, Office of this Paper.

QUALIFIED, Grade 3, married, 26, as Manager; view to succession; must be country; excellent references. "Chemist" (200/37), Office of this Paper.

QUALIFIED; elderly; single; easy hours; moderate salary (London). Apply 212/34, Office of this Paper.

QUALIFIED, 44, abstainer, desires Managership; preferably in about two months' time; highest references from present employers. Kindly state salary offered, "Pharmacist" (213/7), Office of this Paper.

QUALIFIED Locum; engaged August 12th; exempt; age 30; height 5 ft. 9 in.; high-class Dispensing experience. Apply 210/24, Office of this Paper.

QUALIFIED, active, young, desires Managership; capable of sole control; highest all-round capabilities; permanent preferred; good salary required; excellent character; interview can be arranged. Apply 214/19, Office of this Paper.

QUALIFIED; 45; two or three days weekly. "Pharmacist," 9 Claverton Street, S.W.

UNQUALIFIED, ineligible, seeks temporary berth as Dispenser from August 19th to September 14th. Full particulars first letter, Davies, Blaengwawr Inn, Aberdare, Glam.

WEST-END Manager; experienced; highest credentials; £300 and commission; real good man; 47. Apply 209/384, Office of this Paper.

YOUNG lady Assistant; accustomed to putting up Stock; Apply or write to Hooper, Struve & Co., Ltd., 26 Davies Street, W.

£2 5s. (or £2 plus fair commission) weekly; lady; 28; over six years' really good experience; capable of taking charge (bar Dispensing); excellent Saleswoman and references; City or Walthamstow district. "Energetic" (211/8), Office of this Paper.

WHOLESALE.

ADVERTISER, 29, rejected, 12 years' Retail, desires post; Representative or Traveller; good references. B. C. W., 276 Upland Road East, Dulwich, S.E.

ASSISTANT, Chemist, Dispenser, and all Laboratory preparations maker, many years' experience, able to keep stock of fine Chemicals produce, discharged Army, outdoors, seeks situation.

EXPERIENCED Representative is open to act for first-class firm, or good agency amongst Wholesale houses entertained. Apply 210/57, Office of this Paper.

GENTLEMAN, 45, qualified, wishes to represent good house; whole or part time. "Pharmacist," 9 Claverton Street, S.W.

LADY (Major) would like post; Analytical Laboratory Manufacturing Chemist; some experience. Apply 213/28, Office of this Paper.

QUALIFIED Pharmacist, exempt, good manufacturing and business experience, desires works or office employment. C. A. Cofman, 47 Hermon Hill, Snaresbrook, E. 11.

QUALIFIED Chemist, with 10 years' experience of travelling, would represent Drug house or accept position inside. Chemist, 122 Addison Way, London, N.W. 4.

RESEARCH Chemist and Electrometallurgist, now Manager, open for immediate appointment; research, erection, design, running, costing, sales, munitions returns, Metallurgical, Chemical, or Electrical plant; public school-works, university, and bankers' references. Write Box 163, Willings, 125 Strand, W.C. 2.

MISCELLANEOUS.

MACADAM & TUCKNISS, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. 3 Established 1898. Telephone: 81 Lee Green.

Shares for Sale, free of commission, subject).—190 Claudius Ash Ord., 25s. 6d.; 100 Lever "D" 6½% refs., 20s. 10½d.; 500 Colonial and Foreign Salt, 3s. 10½d.; 400 Day & Martin, 10s. 10½d.; 300 Sapon Soap, 5s. 3d.; 100 Yeatman Ordinary, 10s. 3d.

Shares Wanted (subject).—200 Allenbury "A" Preference, 19s. 3d.; Camwal Ord. and Prefs. and Debentures; 200 Idris "A" Prefs., 4s. 6d.; £1,000 4% Debentures, 58%; 100 Wright Layman Preference, 19s.; Parke's Drug Ordinary and Preference.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

ABOUT 7 lb. ½-grain Saccharin Tablets, 164s. per lb., or 23s. 6d. per 1,000; also ½-grains, 120s. per lb. or 17s. 6d. per 1,000, uncontrolled, 550 Saccharin, 5 lb. at 410s. per lb.; prompt dispatch for cash with order. Henning, Medical Hall, Larnie.

POTTERY Vessels (12 or more) of Doulton make Storage Jars (some with three necks), holding from 100 to 120 gallons each, for Sale; may be inspected at Limehouse by appointment. Address "Pottery," care of Wilcox & Co., Locksley Street, Limehouse, London, E. 14.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

SHOWCASES AND SHOP FITTINGS.—Several fine Silent Salesman Showcases and Counters; quantity of useful Shop Fittings; low prices. Write inquiries, Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

TWO BOTTLE MAKERS.—Advertisers are open for quantities of ½-oz. and 1-oz. Oval Cannons, 1½-oz. and 2½-oz. Squares, etc., for which own moulds can be supplied if required. Apply 213/26, Office of this Paper.

140 LB. Saccharin Tablets, ½ gr., 330 in 1, over 7,000 to lb., £7 10s. per lb.; 2 lbs. £7 9s. 6d. per lb.; cash with order; registered post same day. A. Walton, 40 Washington Street, Bradford.

2 OZ. Santoninum at 10s. oz.; 6 lb. Bismuth Subnit. at 12s. 6d.; 2 lb. Aspirin at 15s. 6d.; 2 lb. Ammon. Brom. at 9s. 9d.; 2 lb. Sodæ Sal. at 6s.; 3 lb. Bismuth Carb. at 13s. 6d.; 12 oz. Quin. Hyd. (Howard's) at 5s.; 500 Tabs. Sod. Sal. gr. 5 for 4s. 6d.; 4 oz. Liq. Adren. Hyd. B.P.C. at 2s. 3d. oz.; 500 Tabs. Quin. Hyd. gr. 5 for 19s. 6d.; 500 Tabs. Aspirin gr. 5 for 7s.; 500 Tabs. Phenac Co. gr. v. for 12s.; 8 oz. Quin. Bi. Hyd. (Howard's) at 5s. 3d. Apply 211/24, Office of this Paper.

1,000,000 Saccharine Tablets; uncontrolled; ½-grain; (350 in 1 packet), 5,000 at 16s. 9d., 10,000 at 16s. 3d., 25,000 at 16s., 100,000 at 15s. 11d.; ½-grain (500 in 1), 2,000 at 22s. 3d., 3,000 at 21s. 9d., 5,000 at 21s. 6d., 10,000 at 21s. 3d., 25,000 at 21s., 50,000 at 20s. 10d.; special quotations for quantities; immediate delivery return registered post. W. Travis, 203 Whitecross Street, London, E.C. 1.

EXCHANGE COLUMN.

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 67.

FOR DISPOSAL.

DENTAL.

THREE celluloid full upper, two small lower vulcanite Showpieces. R. Lamb, 123 West End Lane, London.

DENTAL or Medical Chair; upholstered leather; good condition; seen by appointment; £15. 40 Fife Road, Kingston.

DRUGS AND CHEMICALS.

FINEST Oil of Lemon; 2 25-lb. and 3 12-lb. unopened coppers. What offers? Whysall, Chemist, Grantham.

SUGAR or Milk; finest; 21-lb. tins. Best offer to Wilson, Chemist, Bedford Park, W.

POTASSIUM Oxalate Neutral, 28 lb.; Potassium Tartrate Neutral, 11½ lb.; Lithia Benzoate, 1 lb.; for sale, what offers? Reply to 128/2, Office of this Paper.

½ GROSS each Dauglasco Tea Tabs, 10s. per dozen; Cocoa, etc., 9s. per dozen; also 1 oz. each Ol. Staphisagraræ and Antipyrine; carriage paid. Apply 214/29, Office of this Paper.

WHAT offers? Potass. Bromid., 7 lb.; ½ oz. Schering's Beta-Eucaine Lactate; 1 oz. Thioeol Roche; ½ oz. Diuretin; ½ oz. Phenalgin; ½ oz. Hetraline; 1 oz. Lactophenin; 2 oz. Aniline (oil); 1 oz. Thiol-Riedel; 1 oz. Papain Finkler. Tamplin & Son, Kingston-on-Thames.

FOR SALE.

ABOUT 50 strong Empty Cases for sale, various sizes, between 39 x 20 x 23½ in. and 24 x 17 x 15 in. Apply 200/34, Office of this Paper.

CITRIC Acid Cryst.; 2 cwt. kegs offered at 3s. 5d. lb. on rail; usual cash discount. Prompt reply, only to "Yorkshire" (214/9), Office of this Paper.

DISPENSING Chemist Business in Gibson Street, Hillhead, Glasgow, for Sale (to wind up an estate) as going concern; established since 1870. Apply Duncan, Chemist, 34 Gibson Street, Hillhead, Glasgow, or W. G. Leechman & Co., Solicitors, 183 West George Street, Glasgow, or to Adam Ker, C.A., 154 St. Vincent Street, Glasgow.

DRUGS and Bottles of old-established Physician's practice; about 300 glass-stoppered stock bottles: 8 and 12 oz., 1 and 2 pint; many containing Drugs. Write Atkinson, 337 Wandsworth Road, London, S.W. 8.

ITALIAN Twine (thin parcel); 20 bales each of 30 dozen 5½ oz. Balls; £21 per bale, on rail, net cash. Hines, 13-14 Pavement, York.

OFFERS for 80 gross large Menthol Cases; samples sent. Also 20 lb. discoloured Glycerine. Roberts, 2 Skipton Street, S.E. 1.

FOR disposal, Cetraria, 1 lb.; Pulv. Quillaie, 12 oz.; Agar-Agar, 1 lb.; Cortex Aurantii, 14 oz.; Pulv. Gelatin, 5½ lb.; Irish Moss, 3 lb.; no reasonable offer refused for the lot. Claghams, 5 Quebec Street, Leeds.

WHAT offers in separate lots or smaller quantities:—12 oz. Fol. Matico, 11 oz. Fol. Belladonna, ½ lb. Gum Kino, 3½ oz. Valerian Rhizom., 2 lb. 5 oz. Gum Damar, 2 lb. 2 oz. Gum Thus, 1 lb. 3 oz. Gum Galbanum, 5½ lb. Ferri Sesquicarb., 3½ oz. Bismuth. Salicyl., 2½ lb. Spigelia, 5 oz. Methyl Salicylas, 1½ lb. Sem. Hyoscyamis, 9 oz. Tr. Hamamelidis, 1½ lb. Chiretta, 12 oz. Tr. Cubebe. Isaac, Chemist, Neath.

SALVAGE Stock in London.—13½d. size Elliman's Embrocation in cases of 14 doz., in good condition, 6s. 6d. per dozen, carriage forward, cash with order; also two large size Fairchild's Peptogenic Milk Powder, 1 oz. Cantharides, 2 lb. Pot. Ferri-cyanide, 56 lb. Kola Beans, 3½ oz. Liq. Taka Diastase. What offers? Send for list of spare goods. Also wanted, Maple Syrup or Sugar, 2s. size Panapepton Benger's Foods. Matthews, Medical Hall, Royston, Herts.

MISCELLANEOUS.

FOR Sale, Water Bed, 72 x 36, weight 21½ lb.; in perfect condition. Thomson, Chemist and Optician, Worcester.

WATER Bed; 36 x 40; used only few weeks; as new. What offers? Tamplin & Son, Kingston-on-Thames.

ROBERTS' Filling Machine, nearly new; also 10 gall. Copper Jacketed Pan, tripod stand. Jackson's, Pownall Square, Liverpool.

18 DOZ. White Rose Scent Sachets, 18s.; 8-gal Acid-proof Jugs, two 4-gal., two 1-gal.; 8-gal. Filter, 24 x 30 Chilling Pan; all Doulton Ware; cheap to clear. H. B., 17 Ashmere Grove, Brixton, S.W. 2.

TWO 8-gal. Acid-proof Jugs; two 4-gal., two 1-gal., 8-gal. Filter; 24 x 30 Chilling Pan; all Doulton ware; cheap to clear; also 18 doz. White Rose Scent Sachets, 18s. H. B., 17 Ashmere Grove, Brixton, S.W. 2.

WANTED.

PILL Makers wanted; well-known firm are desirous of having Pills made from own ingredients; one to two million 5-grain coated Pills per month required; prompt cash settlement. Apply 116/50, Office of this Paper.

ONE or two ounces Iodol. Dolbear & Goodall, Oxford.

SQUIRE'S "Companion," State price and date, Ashby, Bryn, Wigan.

3½ x 2½ Camera, with good lens, plate or film. Hall, Chemist, Blackpool.

AMERICAN Soda Fountain, with accessories; any reasonable offer accepted. 3 Queen Street, E.C.

FILMS.—Wanted, 2A Brownie or 1A Kodak; 6 exp.; 1s. 6d. each paid. Starmer, North Finchley, N.

PLUMBI Acet. Com., Sulph. Precip. Calcar. Price for cash to Scott, 120 Glencogle Road, Streatham, London.

GOOD Tablet Machine wanted to turn out large numbers; one grain upwards. James, Manufacturing Chemist, Cardiff.

A MIXER and Sifter, hand power, to mix 50 to 100 lb. Apply, state price, size, and make, to J. Milner, Chemist, Greenwich.

SUPPOSITORY Mould required. State price, and whether new or second-hand, also capacity, 126/21, Office of this Paper.

POWER-DRIVEN Jacketed Mixer, suitable for Toilet Creams; any size up to 5-cwt. capacity. Apply 128/41, Office of this Paper.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation, cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W. 4.

HEALTH Salts, Lyons' Tooth Powder, Shop-soiled Sundries (cheap tubes Tooth Paste, Brilliantine, and Tooth Brushes), etc.; Listerine, Antiphlogistine. Roper, Dunmow, Essex.

JACKETING Pan, capacity about 10 gallons; also Steam Jacketer Still for water; Emulsifier, about 5 gallons, loose and fast pulley. Apply "C" (127/43), Office of this Paper.

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(1 lb. Rolls Interleaved.)

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Packed in 1 cwt. bales. Bales charged and allowed when returned. Terms: Cash 7 days from date of each delivery on satisfactory references; otherwise Cheque with order.

S. MATZ, Chemist, 341 Cheetham Hill Road, MANCHESTER

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500 gross Ointment Tins, etc.; also quantity Labels for Proprietary articles. Send samples and lowest price for cash. James, Chemist, 15 Crownhill Road, Harlesden, N.W. 10.

5 to 10 gross or less, 2 drachm (¼ oz.) stoppered wide-mouth Bottles; blue, green, round, or hexagonal. State price and send sample to John Bell & Croyden, 50 Wigmore Street.

WANTED, Tincture Press. State capacity, make, and price to 115/45, Office of this Paper.

BIG prices paid for Stokes' or Colton Tablet Machines; Pill Machinery also wanted. Particulars to 78/58, Office of this Paper.

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SPECTACLE Lenses, Gold-filled Spectacle and Eyeglass Frames, in any quantity. Particulars and prices to Bishop & Vincent, 460 Holloway Road, N. 7.

CELLULOID Scrap Films; pieces or waste; spot cash for 1-lb. or 10-ton lots. H. B., 17 Ashmere Grove, Brixton, London, S.W. 2.

STEAM-JACKETED Boiling Pans; about 150 gallon capacity; iron or enamel lined. State price and where seen to "S. J.," Box 189, Spottiswoode's, Atlantic House, Holborn Viaduct, E.C. 1.

SACCHARINE TABLETS.—¼ grain 330. The Advertisers are prepared to take and pay cash for quantities from 20 lb. to 3 cwt. per week. Price must not exceed £4 10s. per lb., and Tablets to run, if possible, 8,000 to the lb.

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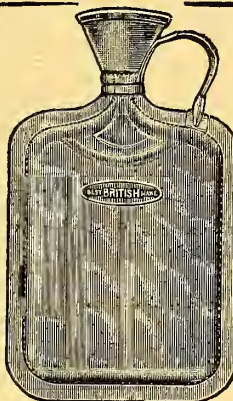
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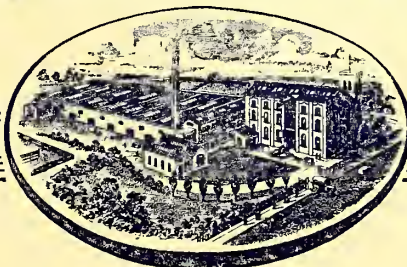
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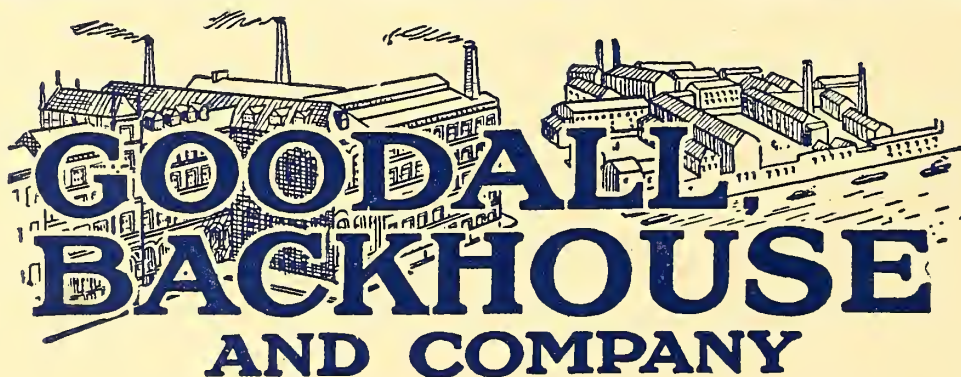
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